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**Do not assume content reflects current scientific knowledge, policies, or practices.**





BARRETT'S "CAPITOL" LAWN SEED

Your Lawn can be as beautiful as the one pictured above if you use this famous Lawn Mixture. Pure, clean seed, the proper blend of the varieties best suited for lawns of a permanent nature, are used in compounding it. Lb. 50 cts.; 5 lbs. \$2.25; 10 lbs. \$4; 25 lbs. \$9.50; 50 lbs. \$18.50; 100 lbs. \$35.

# SEEDS for 1939

*Farm Implements and Garden Tools  
Dairy and Poultry Supplies*

NEARLY A CENTURY OF SERVICE

**The W. E. BARRETT CO.**

15 and 17 JACKSON ST., Between Fountain St. and Broadway

PROVIDENCE - RHODE ISLAND

# PLANT These FOUR Beautiful ANNUALS This SPRING



PETUNIA  
Hollywood Star  
Pkt. 25 cts.

Charming shade of rich rose.  
Flowers five-pointed star shaped.



CELOSIA • Royal Velvet  
Pkt. 25 cts.



PETUNIA  
Velvety Violet  
Pkt. 25 cts.

Rich velvety violet shaded. It is one of the most popular Petunias for bedding and window-boxes.



MARIGOLD  
Chrysanthemum-flowered  
Pkt. 15 cts.

# *Barrett's 1939 Catalogue*

TO OUR CUSTOMERS AND FRIENDS

THIS IS YOUR CATALOGUE

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IT WAS compiled to assist you in selecting the various materials, which will enable you to perform the many tasks on your estate, farm, in your home-garden or your home.

Guided by almost a century of experience we feel that we can serve you better, as our stocks of merchandise are obtained from the best sources of supply and we do not offer anything that does not bear the trade-mark of quality.

LAWN SEED

INSECTICIDES

GARDEN TOOLS

VEGETABLE SEED

FERTILIZERS

DAIRY SUPPLIES

FLOWER SEED

PLANT-FOODS

AND

FARM SEEDS

GARDEN SUPPLIES

EQUIPMENT

POULTRY SUPPLIES AND EQUIPMENT

FARM IMPLEMENTS

Carrying a complete stock of the materials listed in this Catalogue, and with the services we have available, we are in a position to take care of your wants, filling any order almost immediately.

We maintain an efficient demonstration, installation, repair, and service department, handled by capable mechanics of long experience.

E. K. THOMAS, former Superintendent of the Providence Public Parks System, and one of the foremost horticultural authorities in New England, is now available as consultant in all matters pertaining to your garden and lawn problems, including soil-analysis. This service is given to you without charge and you may feel free to consult Mr. Thomas at any time.

When in Providence drop into our store, let us show you and tell you about some of the newer things in seeds, plants, and equipment.

For your farm or garden needs, remember

**THE W. E. BARRETT CO.**

*Tel.: Dexter 1812*

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The W. E. Barrett Company give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, plants, or bulbs they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

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# Barrett's "CAPITOL" LAWN SEED

*A Beautiful Lawn can be successfully produced  
only by using a properly balanced lawn mixture*

A properly balanced lawn mixture is composed of the various natural or permanent grasses, suited to the soil and locality in which it is to be sowed.

Our "Capitol" Lawn Seed has been our standard mixture for forty years. It contains only those grasses that are recommended by the best-informed authorities on lawn seeds. It contains no timothy or other inferior grasses so often found in cheaper mixtures.

*Use 1 pound to sow 200 square feet; 200 pounds for an acre*

Lb. 50 cts.; 5 lbs. \$2.25; 10 lbs. \$4; 25 lbs. \$9.50; 50 lbs. \$18.50; 100 lbs. \$35

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# Barrett's "SHADY SPOT" LAWN SEED

On many lawns there are shady places where it is difficult to grow grass. In preparing this mixture we have selected only the finest lawn grasses suitable for growing in the shade.

*Use 1 pound to sow 200 square feet; 200 pounds for an acre*

Lb. 50 cts.; 5 lbs. \$2.25; 10 lbs. \$4; 50 lbs. \$18.50; 100 lbs. \$35

## Barrett's Fine Lawn Grass Mixture

*Sold exclusively by The W. E. BARRETT CO.*

This fine lawn mixture has been carefully blended to produce a permanent turf of an even green color from early spring to late fall. It contains a very high percentage of Astoria Bent grass and New Zealand Chewing's Fescue. We believe this is the finest lawn mixture being offered.

*Use 1 pound to sow 200 square feet*

Lb. 65 cts.; 5 lbs. \$3; 10 lbs. \$5.50; 50 lbs. \$25; 100 lbs. \$45

# We Desire to Bring to Your Attention the Following New Products Sold Exclusively Through Our Company

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## BARRETT'S WEEDLESS LAWN COMPOST

Eliminates the danger of introducing weeds, as is often done when loam is used for top-dressing. It builds up a fine turf for the home-grounds and putting-greens.

*Use 50 pounds for 400 square feet*  
25 lbs. \$1.75; 100 lbs. \$3; ton \$50

## BARRETT'S SPECIAL LAWN AND TREE FOOD

A balanced fertilizer for feeding the grass throughout the season and for nourishing ornamental trees and shrubs.

*Use 4 pounds for 100 square feet*  
25 lbs. \$1; 50 lbs. \$1.75; 100 lbs. \$3; ton \$50

## BARRETT'S RHODODENDRON FOOD

An especially prepared fertilizer for rhododendrons, azaleas, laurel, and other plants that need a slightly acid soil. Rhododendrons often get straggly and the foliage has a sickly green color, due to lack of nutrition. This fertilizer has been especially prepared to meet requirements of these and allied plants.

*Use 4 pounds for 100 square feet*  
5 lbs. 40 cts.; 10 lbs. 65 cts.; 25 lbs. \$1.25; 50 lbs. \$2; 100 lbs. \$3.50; ton \$60

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## ROSES

We are the authorized dealers for the *New Rose Introductions* of Jackson & Perkins Company, and are very glad to be able to offer you, this season, an assortment of varieties, many of which you have been reading about in the garden magazines. Each plant is labeled with the special J. & P. patented rose tag.

We have a fine assort-  
ment of

Jackson & Perkins  
Dormant Stock

of Hybrid Teas and  
Climbers. All are No. 1  
graded Roses and we can  
assure you that you will  
have great success with  
this brand.





## Barrett's Sweepstakes Ensilage Corn

*Sold exclusively through The W. E. BARRETT CO.*

This high-yielding Hybrid Corn has proved its worth to the dairy farmers of this locality by maturing early and producing an increase in tonnage over ordinary strains of so-called Sweepstakes.

It is a Pedigreed Seed Corn, produced by careful selection and breeding in the best Seed Corn-growing area in the country.

*High vitamin content. High tonnage. Guaranteed germination.  
Try it and be convinced*

## Barrett's Hybrid Ensilage Corn

This new Hybrid Ensilage Corn, in tests in Rhode Island last year, produced 25 per cent more tonnage per acre of silage than any of the other varieties which were grown in competition with it. Every dairyman should give this Corn a trial.

**Eureka Corn.** Our supply of this is a very choice stock, produced for us in Virginia from a reliable source. Vigorous grower. Large stalks with heavy foliage. Height 12 to 14 feet. Market price.

**Improved Leaming Corn** A superior strain of Yellow Dent Corn, not only valuable for fodder or ensilage, but will produce a big crop of matured Corn in this section. Market price.

*SEMESAN, JR., will improve your crop of corn if you will  
treat the seed with it before planting.*

# Grasses for Meadow, Pasture, and the Separate Varieties for Lawns

ALL OF OUR GRASS AND FIELD SEEDS ARE TESTED TO CONFORM WITH THE PROVISIONS OF THE STATE SEED LAWS

We assure our customers they will have the full benefit of the lowest market rates for choice, selected stocks.

Sow Clover, Timothy, and Red-Top mixed. For an acre, 8 pounds Clover,  $\frac{1}{2}$  bushel Timothy, 8 pounds Fancy Clear Red-Top.

Treat your Grass Seed with SEMESAN before sowing. Ask for descriptive pamphlet

**Astoria (R. I.) Colonial Bent.** A fine, hardy, very compact grass; very permanent, readily forming a heavy sward. Sow 2 to 3 pounds per 1,000 square feet.

**Seaside Coos County Bent.** A very useful grass for fine lawns and pleasure-grounds, on account of its short growth, deep green and fine-leaved foliage. Indispensable for golf-course, croquet, and cricket fields as well as general lawn formulas. Sow 3 to 5 pounds per 1,000 square feet.

**Chewing's Fescue.** Perennial; 2 to  $2\frac{1}{2}$  feet high; June and July. On account of its creeping habit is especially valuable for loose, sandy soils and embankments. It easily resists drought and often is green when other grasses are dried up. Sow  $2\frac{1}{2}$  bushels an acre (14 pounds to bushel).

**Domestic Rye Grass.** Quick-growing and often used for a nurse grass or temporary turf.

**Kentucky Blue (*Poa pratensis*).** Known as June-Grass. An early grass of great value; makes a close, velvety turf, and is excellent for pasture; generally sown mixed with other grasses. Sow about 3 bushels an acre, if used alone (finest seed 14 pounds to bushel).

**Orchard Grass (*Dactylis glomerata*).** It is very satisfactory for the meadow when sown with other grasses, the hay being very nutritious, but it should be cut when in blossom. It is not suitable to sow alone, because of its tufted habit. Especially adapted for shady places, particularly in orchards, wood-lot pastures, and usually sown in the spring, but under favorable conditions may be sown in the fall. Sow 30 to 40 pounds of seed an acre.

**Red-Top (*Agrostis vulgaris*).** A great favorite, succeeding in a great variety of locations, giving very good results on light soils, and the very best on heavy, moist soils or lowlands liable to overflow, which are so apt to be sour and acid. It does not thrive on sandy or leachy soil.

**Rough-Stalked Meadow Grass (*Poa trivialis*).** This species of grass makes a very heavy turf and is generally used in shady locations when sown with other grasses. Prefers light moisture and does not do well in dry, exposed places.

**Timothy or Herd Grass (*Pleum pratense*).** A well-known nutritious grass, which on most soils will produce a better crop than any other variety. We offer a particularly choice quality of seed. Sow  $\frac{1}{2}$  bushel an acre, if alone (45 pounds to the bushel).

## Cowpeas

**New Era.** This variety can be used as a green summer feed for sheep and as a green crop for plowing under to enrich the soil. Use 2 bushels of seed per acre.

## Swedish Select Oats

The straw is valuable for feed and for bedding. The sprangle-top heads, although long, are borne low down on the stalk, which seems to prevent lodging, and are very large in proportion to its stiff, bright, clean straw. Oats yield a greater profit per acre than wheat, and they are also a more reliable crop. Market price.

Treat Oats with Ceresan before sowing. See page 18.

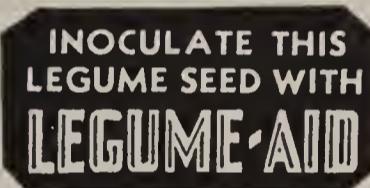
## Soy Beans

Considered one of the most valuable plants for bringing nitrogen into the soil. It is an excellent green or dried fodder and can also be used for silage. Seed should be sown during May or June, using at least 1 bushel per acre broadcast, or can be sown in drills  $2\frac{1}{2}$  feet apart, at the rate of  $\frac{3}{4}$  bushel per acre.

## Canada Field Peas

The vines make rich, nutritious hay, and if fed green to milch cows, the flow of milk will be almost doubled. They can be sown alone or with oats and fed green. It is surprising the amount of fodder which is produced in this way. Market price. **Inoculate this seed with Legume-Aid.**

## SEED INOCULATION



Means Better Crops  
Better Soils,  
Less Expense

Seeds of all legumes—Clovers, Alfalfa, Sweet Clovers, Beans, Peas, Vetches, Soy Beans, Cowpeas, etc.—will yield far better results if inoculated with **Legume-Aid** and, in addition, leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops in the rotation. **Legume-Aid**—always fresh—always strong and virile.

**HOW TO ORDER:** Specify crop and number of bushels you wish to inoculate (one-bushel size contains sufficient bacteria to thoroughly inoculate one bushel of designated variety of legume seed).

**PRICES—For Small Seeds—Clovers, Sweet Clovers, Alfalfa, etc.**

1/2-bus. size . . . . .	\$0 30
1-bus. size . . . . .	50
2 1/2-bus. size . . . . .	1 00

**For Large-Size Seeds—Soy Beans, Cowpeas, Peas, Beans, Vetches, etc.**

1-bus. size . . . . .	\$0 30
2-bus. size . . . . .	50
5-bus. size . . . . .	1 00
Garden Size for Garden Peas, Beans, and Sweet Peas . . . . .	10

## Dwarf Essex Rape

This is a most important forage plant and is sometimes used as a cover crop. It grows like a turnip, with a very leafy top but no swollen root. Especially valuable for hog- and sheep-feed, and it is claimed to have a feed value greater than clover. Can be sown either in the fall or spring, at the rate of 6 to 8 pounds per acre broadcast.

## Sand, Hairy, or Winter Vetch

Hairy or Winter Vetches are increasing in popularity wherever grown, and are proving to be one of the most valuable crops for fall planting. **Inoculate seed with Legume-Aid.**

*Sow 20 pounds of Vetch and 1 bushel of Rye or Oats to the acre*

## Sudan Grass

A new forage plant closely related to the cultivated sorghums; of value in the dry Middle West as a drought-resisting hay crop. In the East and North should be tried as a substitute for millet, as the crop is larger and has better feeding value. Care should be exercised in turning cattle onto second growth. In rows, 4 to 6 pounds to the acre; broadcast, 20 pounds to the acre.

## Clovers

### A Necessity on Every Farm

Clovers enrich the soil, for their roots gather immense quantities of nitrogen-fixing bacteria, which take nitrogen from the air and leave it in the soil in a form readily available for growing crops. Nitrogen is the most expensive chemical to buy in fertilizer. Encourage their growth by the use of Legume-Aid.

**Grimm Alfalfa.** Only a few strains equal, and none excel, true Grimm Alfalfa in hardiness. It is the safest type to sow wherever there is trouble from winter-killing. We believe it is the best strain to sow in this locality, and for that reason it is the only one we carry in stock. Our supply of this seed is the finest obtainable.

**Medium Red.** More widely known than any other variety. Makes a standard Clover for hay purposes as it can be cut at least twice in a season. Sow the seed early in the spring or late summer, at the rate of 15 to 20 pounds per acre. If used with timothy or red-top, 10 pounds per acre will be sufficient.

**Alsike.** Seed may be sown in the spring, late summer, or early autumn, and, as the plants are perfectly hardy, the field seldom requires reseeding. Thrives better on thin soil than Red Clover. Sow in spring or late summer, at the rate of 8 to 10 pounds per acre.

**White Dutch.** Valuable for quick lawns and used in all permanent pasture mixtures as it is greatly relished by stock.

**White Blossom Biennial Sweet Clover.** Of great value as a soil renovator. It will thrive on all classes of soil. Sow any time from April until the middle of September at the rate of 15 to 25 pounds to the acre.

## Grains

### Buckwheat

**Japanese.** Early and most productive of the Buckwheats. Use for green-manure crop and for bee pasturage.

## Rye

**Rosen's Seed Winter.** Generally used as a cutter crop and for soil-improvement. Can be seeded at any time before the middle of November. Use 1 to 1½ bushels of seed per acre.

**Spring.** An early-maturing forage grass as it makes an excellent green fodder when cut, or can be used as pasturage for several weeks. Sow in early spring at the rate of 1½ bushels of seed per acre.

## Wheat

**Spring.** Usually sown alone in early spring to cut as a green fodder crop, or can be sown with Vetch for hay purposes.

**White Winter.** Generally sown with Winter Vetch between September 10 and October 15 in this area. Can be used in early spring as green feed or made into a very palatable hay.

## Barley

**Chevalier.** A two-rowed variety that is more widely used for forage than the 6-rowed. Seed grown on the irrigated lands of Montana. Very plump, extra heavy and nearly white.

## Millet or Hungarian Grass Seed

Prices variable; subject to market fluctuation

**Hungarian Grass (*Panicum germanicum*).** One of our best forage plants and yields immensely, even when the weather is so dry that other crops dry up. Sow from June 15 to July 31. One bushel seeds an acre. (48 pounds to bushel.)

**Millet, Japanese Barnyard (*Panicum Crus-galli*).** This Millet is valuable as a green or dry fodder, or for soiling. It is erect in growth, very leafy, and the stalks are tender and succulent, even when matured. Produces from 15 to 20 tons green fodder per acre. As fodder crop sow 20 pounds to acre.

**Millet, Tennessee Golden.** Of stronger and taller growth than other Millets and does not mature so early. Sow 1 to 1½ bushels an acre. (50 pounds to bushel.)

## SEMESAN BEL

Before planting your Potatoes, give your seed a Semesan Bel treatment, thereby greatly increasing the yield. It will also reduce scab. We will be pleased to mail you descriptive pamphlet. See page 18.

## Maine-Grown Certified Seed Potatoes

All of our Seed Potatoes are grown by the most reliable growers.

**Early Rose.** Early, prolific, well-known variety.

**Green Mountain.** (*Certified stock*.) A late Potato which does well on any soil; productive; oval; a good keeper; of fine quality.

**Irish Cobbler.** (*Certified stock*.) One of the first varieties of Potatoes to be ready for market, and therefore will command a good price. The skin is creamy white, sometimes netted, which is an indication of good quality; eyes are strong, well developed, and but slightly indented.

**Spaulding Rose.** (*Certified stock*.) A vigorous grower; great yielder; resembles the Early Rose in shape and color.

Prices on Application

# Best-Grade Vegetable Seeds

FOR FARM, MARKET, AND KITCHEN GARDENS

*Best Adapted to this Climate*

We Will Furnish Accurate Germination Tests on All Our Vegetable Seeds

Varieties marked with © are best suited for Market-Gardeners

## Artichoke

**Globe Artichoke.** Matures second year. A perennial cultivated for its flower-buds, which are cooked like asparagus. Sow seed in the greenhouse or hotbed in March, and when all danger of frost is over, set plants out about 3 feet apart. Mulch over winter, so that the crowns are not choked. Requires warm weather to grow to perfection. Pkt. 15 cts.;  $\frac{1}{2}$  oz. 30 cts.; oz. 50 cts.

## Asparagus Seed

The roots should be planted as early in spring as the ground can be prepared, setting them a foot apart in rows 3 to 4 feet apart.

Seed may be sown in a bed and thinned as they grow; or may be transplanted to a permanent bed the second year. Fair crops may be expected the third year.

*One ounce of seed will produce 100 plants;  
4 pounds will sow an acre*

©**Mary Washington.** A variety of recent introduction. Very large and free from blight. Pkt. 5 cts.; oz. 15 cts.;  $\frac{1}{4}$  lb. 30 cts.; lb. \$1.

## Asparagus Roots

*5,000 to 8,000 roots will plant an acre*

**Mary Washington.** 2 yr., \$1.50 per 100; \$12 per 1000.

# BEANS

## Dwarf or Bush

The seeds should not be planted before the ground becomes light and warm, in favorable seasons usually about the first of May. Bush Limas should not be planted so early as other sorts, as Limas are particularly sensitive to cold and damp. The soil should be rich and mellow, and the seeds sowed about 3 inches apart in drills from 3 to  $3\frac{1}{2}$  feet apart, and covered about 2 inches deep. The plants will need frequent hoeing, but should never be cultivated when the leaves are wet with dew or rain, as this will cause them to rust. Sowings made at intervals of about two weeks until the middle of July will give a supply all season.

*One pound of seed will sow 100 feet of drill;  
60 pounds, an acre*

## Wax or Yellow-Podded Beans

Price:  $\frac{1}{2}$  lb. 15 cts.; lb. 25 cts.; 2 lbs. 45 cts.;  $7\frac{1}{2}$  lbs. \$1.50

©**Brittle Wax.** 52 days. Fleshy, round, solid pods, tender, brittle, entirely stringless, with a rich flavor. The seeds are white with a black eye.

©**Sure-Crop Black Wax.** 52 days. Valuable from the fact that it seems to be "rustproof," after having been tested with other Beans which rusted badly.

## Wax or Yellow-Podded Beans, continued

**New Top-Notch Golden Wax.** An improved strain of Golden Wax, being much more disease-resistant, with pods about an inch longer than the old type. Entirely stringless.

**Golden Wax.** 50 days. A very popular variety. The vines are hardy, productive; pods long, straight, flattish, very fleshy and wax-like; of the best quality. Beans are small, oval, white, shaded purplish red.

©**New Round-Pod Kidney Wax.** 56 days. One of the best round-podded Wax Beans.

©**Pencil-Pod Black Wax.** 52 days. The earliest of the Wax Beans, having beautiful, long, round pods, entirely stringless. The seed is all black.

**INOCULATE YOUR BEANS WITH  
LEGUME-AID FOR LARGER CROPS**

## Green-Podded Bush Beans

Price:  $\frac{1}{2}$  lb. 15 cts.; lb. 25 cts.; 2 lbs. 45 cts.;  $7\frac{1}{2}$  lbs. \$1.50

©**Asgrow Valentine.** 49 days. New. A stringless black Bean of easiest culture, quick growing, hardy, prolific and a good shipper. Unsurpassed for market.

©**Black Valentine.** 48 days. One of the best varieties to raise for early market, because of its hardiness, earliness, and good cropping quality.

©**Bountiful.** 49 days. The pods are long, flat, of good quality, and entirely stringless; early and prolific.

**Burpee's Stringless Green-Pod.** 52 days. This is an extremely early, hardy and productive variety bearing an abundance of handsome stringless green pods of fine quality.

©**French Dwarf Horticultural.** 70 days. This variety, for a Shell Bean, is very popular. It is a heavy cropper; pods long and almost entirely scarlet in color, well filled. Does not blight.

**Low's Champion.** 56 days. Very productive, with stringless, large, green, flat pods. Excellent as either a String or a Shell Bean.

**Landreth Stringless Green-Pod.** 52 days. Improved type of Stringless Green-Pod. Slimmer pods than Burpee's Stringless. Fine for home-garden.

©**Ruby Dwarf Horticultural.** 60 days. Furnishes green-podded Beans of fine quality; the seeds are yellowish white, with red splashes; large, oval, plump, and are easily shelled.

©**Tendergreen or New Stringless.** 53 days. A new variety of remarkably fine quality. Early, hardy, and very prolific. Tender, stringless, light green, round pods about 7 inches long.

## Bush Lima Beans

Price:  $\frac{1}{2}$  lb. 15 cts.; lb. 25 cts.; 2 lbs. 50 cts.;  
 $7\frac{1}{2}$  lbs. \$1.75

**Burpee's Bush Lima.** 75 days. Immensely popular. The plants come true from seed, and the dwarf habit has become well fixed. They grow into splendid branching bushes, 18 to 20 inches high and 2 to 3 feet across.

©**Fordhook Bush Lima.** 75 days. This Bush Lima is of uniformly erect bush habit, branching freely, but with all the branches held upright. It bears tremendous crops and sets plump, well-filled pods freely, even in a cool, wet season.

**Henderson's Bush Lima.** 65 days. Two weeks earlier than the Pole Limas, and the bushes bear long and continuously. Beans of the small Sieva type.

## Pole or Running Beans

Pole Beans are not so hardy as the Bush sorts, and should be planted several weeks later, when danger from frost is over. Plant the seeds in slightly raised hills, 3 to 4 feet apart, four or five seeds to the hill. The Limas are especially tender, and the rule for late outside planting with them is rigid. Painstaking cultivators, usually the most successful, plant them eye downward, setting stout poles for every hill.

*One pound of seed will sow 100 hills;  
30 pounds, an acre*

Price: Unless noted,  $\frac{1}{2}$  lb. 20 cts.; lb. 30 cts.;  
2 lbs. 50 cts.;  $7\frac{1}{2}$  lbs. \$1.75

**Golden Cluster Wax.** 75 days. One of the best Pole Wax Beans. Excellent flavor and very tender.

**Kentucky Wonder Wax.** 76 days. Similar to the Kentucky Wonder, except the pods are light waxy yellow, thick, broad, very tender, of delicious flavor and stringless.

©**Italian Horticultural.** 75 days. Long, stringless pods of excellent quality when young. The dried Beans are tan, speckled with dull red; grown for winter use.

©**Old Homestead or Improved Kentucky Wonder.** 78 days. Excellent; very productive; pods a silvery green color, large and entirely stringless.  $\frac{1}{2}$  lb. 15 cts.; lb. 25 cts.; 2 lbs. 45 cts.;  $7\frac{1}{2}$  lbs. \$1.50.

**Scarlet Runner.** 64 days. Very ornamental, free climber with bright scarlet flowers.

**White Runner.** Large, white flowers; often planted with the scarlet variety.

©**Worcester Pole.** Beans and pods much larger than Horticultural. Used as Shell Beans.

**Yard-Long Bean.** Novelty. Produces extra-long pods which are edible. A novelty to grow in any garden.  $\frac{1}{2}$  lb. 30 cts.; lb. 50 cts.

## Pole Lima Beans

**Extra-Early Sieva.** 85 days. A standard variety. Buttery in flavor.  $\frac{1}{2}$  lb. 20 cts.; lb. 35 cts.; 2 lbs. 60 cts.;  $7\frac{1}{2}$  lbs. \$2.

**King of the Garden.** 88 days. Beans and pods are very productive. When not too closely planted, the vines set Beans early, and bear until frost; two vines should be allowed to a hill.  $\frac{1}{2}$  lb. 15 cts.; lb. 25 cts.; 2 lbs. 45 cts.;  $7\frac{1}{2}$  lbs. \$1.50.

## Broad Bean or Italian Fava

**Long-Pod.** A very hardy, old-fashioned English Shell Bean.  $\frac{1}{2}$  lb. 15 cts.; lb. 25 cts.; 2 lbs. 45 cts.;  $7\frac{1}{2}$  lbs. \$1.50.

## Field Beans

We carry a selected stock of White Kidney, Red Kidney, and Yellow-eye Field Beans at prevailing market prices.

## Garden Beets

Deep rich, sandy loam is best for Beets. For early crop sow in hotbeds, and transplant to open ground as soon as it is warm enough. For main crop, sow outside in drills 18 inches apart, and cover lightly. Sow in July for winter crops.

*One ounce of seed will sow 100 feet of drill;  
6 pounds, an acre*

Price: Pkt. 5 cts.; oz. 10 cts.;  $\frac{1}{4}$  lb. 25 cts.; lb. 75 cts.

©**Asgrow Wonder.** New. This is, undoubtedly, the finest Beet on the market. It is early, of uniform size, with smooth, deep red roots having small necks and tap-roots.

**Crosby's Egyptian.** 50 days. Smooth, dark red, turnip-shaped Beet which matures early. The flesh is blood-red, tender, and sweet. A widely grown variety.

©**Detroit Dark Red.** 52 days. Splendid shape and color; very crisp, tender, and sweet.

**Early Wonder.** 48 days. New, distinct, extra-early, turnip-rooted variety of finest table qualities. Flesh is solid, crisp, and sweet.

**Perfected Detroit Beet.** 56 days. Similar to Detroit Dark Red. Rich blood-red meat all the way through. The best main-crop Beet in existence.

©**SWISS CHARD.** 60 days. Grown for its tender, succulent tops; prepared like spinach. Pkt. 5 cts.; oz. 10 cts.;  $\frac{1}{4}$  lb. 25 cts.; lb. 65 cts.

## Field Beets

*One ounce of seed will sow 100 feet of drill;  
5 pounds, an acre*

Price: Oz. 10 cts.;  $\frac{1}{4}$  lb. 20 cts.; lb. 55 cts.

**Mangel-Wurzel, Golden Tankard.** 90 days. A most important addition to our roots for feeding stock. Flesh a deep, rich yellow, very sweet and nutritious. In shape a little shorter than Norbiton Giant, but thicker. A very heavy cropper.

**Mangel-Wurzel, Long Red.** A long red variety, preferred by many to common Long Red, as it is considered of better keeping quality; good for deep soils.

**White French Sugar.** 80 days. Much grown in Europe for sugar-making; very sweet and keeps well; much relished by stock. The Beets are very large and the yield per acre is heavy, making it one of the most profitable sorts to grow.

## Broccoli

Requires the same treatment as cauliflower.

*One ounce of seed will produce 5,000 plants;  
4 ounces will sow an acre*

©**Early Special Calabrese.** 100 days. An improved strain of the Calabrese type, maturing 7 to 10 days earlier than other strains. A sprouting variety. Forms a large head which remains green; when head is cut out, small sprouts develop from the upper side of each leaf branch. Sow in the open ground during the early summer; matures in three months. Pkt. 5 cts.;  $\frac{1}{2}$  oz. 25 cts.; oz. 40 cts.; 4 ozs. 90 cts.;  $\frac{1}{2}$  lb. \$1.50; lb. \$3.

©**Rape.** Grown for the delicious greens it produces. Pkt. 5 cts.;  $\frac{1}{2}$  oz. 20 cts.; oz. 30 cts.; 4 ozs. 75 cts.;  $\frac{1}{2}$  lb. \$1.25; lb. \$2.50.

## Brussels Sprouts

Species of cabbage, with small, solid, tender heads clustered thickly along the main stem. Properly cooked and seasoned, they are delicious, melting away in the mouth like fine cauliflower. Sow seed in April or May and cultivate like cabbage. Hardy; heads improved by frost.

*One ounce of seed will produce 3,000 plants;  
4 ounces will sow an acre*

◎**Dwarf Improved.** 125 days. Plants dwarf, with small, solid, tender heads growing very close together along the stem. Pkt. 5 cts.;  $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.;  $\frac{1}{4}$ lb. 75 cts.

## Carrots

Carrots succeed best on light, sandy loam, which, preferably, should have been well fertilized the previous year, as fresh manure often causes the roots to grow pronged and misshapen. Sow the seed as early in spring as the ground can be prepared, firming the soil down over it. If sown late, it should be soaked in tepid water, then mixed with plaster or sifted coal-ashes, and sown on freshly prepared soil. Quick germination and rapid growth are necessary.

*Sow  $\frac{1}{4}$  ounce of seed to 100 feet of drill;  
 $2\frac{1}{2}$  lbs. to an acre*

Price: Pkt. 5 cts.; oz. 15 cts.;  $\frac{1}{4}$ lb. 35 cts.; lb. 90 cts.

◎**Asgrow Imperator.** 77 days. New. An outstanding type bred for market-garden use. Top medium but strong enough for bunching. Flesh rich orange color, with indistinct core, fine-grained, tender, and of fine quality.

**Chantenay.** 70 days. Handsome roots, broad-shouldered and smooth, and more uniform than the Danvers.

◎**Danvers Half-Long.** 75 days. Enormously productive; adapted to all soils. The roots are smooth, thick and intermediate between Scarlet Horn and Long Orange in form.

**Early Scarlet Horn.** 60 days. Best for forcing and early outdoor crops; can be grown in shallow soils, and requires no thinning if sparingly sown, as the roots are used when young for cooking. About 3 inches long.

◎**Hutchinson.** 72 days. A heavy yielder and attractive.

**Improved Long Orange.** 80 days. Hardly equal to Danvers in quality, but good and heavy in yield.

**Large White Belgian.** 100 days. For stock-feeding and especially suited to shallow soils. Roots white-fleshed, broad at the shoulder and narrowed abruptly to a point.

◎**Morse's Bunching.** Short tops; roots are 8 inches long and  $1\frac{1}{2}$  inches in diameter. Good market-garden variety.

**Nantes Improved Coreless.** 90 days. Excellent for home-garden use. Flesh reddish orange, crisp, tender, and of very delicate flavor, practically coreless.

## Chinese Cabbage

Price: Pkt. 5 cts.;  $\frac{1}{2}$ oz. 20 cts.; oz. 30 cts.;  $\frac{1}{4}$ lb. 75 cts.

**Chi-hili.** Tall, attractive, tender, and sweet.

**Pe-Tsai.** 70 days. This delicious Chinese vegetable belongs to the Cabbage family and closely resembles a well-grown Cos lettuce, but is heavier. Crumpled leaves. Solid creamy yellow center. We advise that the seed be sown about August 1 (not earlier).

**Wong-Bok.** Solid, broad heads; compact, self-folding.

## Select Cabbage

Early varieties are grown from seed sown in hotbeds in February or March, only moderate bottom heat being required. Transplant into other frames, without much, if any, bottom heat, as soon as the plants show the fourth leaf. In April, or as soon as the ground can be easily worked, set out in rows 3 feet apart, and about  $1\frac{1}{2}$  feet between the plants. For a fall crop, sow in the open ground in May, in hills the proper distance apart, using a liberal quantity of manure in the hill, besides that which is plowed in; thin out to one good plant in each hill. In the same way, crops may be grown to lay in for winter use, planting seed as late as July 1. Seeds can also be sown in shallow drills, and, when the plants are large enough, can be transplanted, setting the plants in rows 3 feet apart and 2 feet apart in the row. Succeeds best in deep, rich loam.

*One ounce of seed will produce 3,000 plants;  
4 ounces will sow an acre*

Price: Unless noted, pkt. 5 cts.;  $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.;  $\frac{1}{4}$ lb. 75 cts.

◎**Copenhagen Market.** 95 days. The heads are very solid with a small core and of fine quality; average weight, about ten pounds. It matures as early as the Charleston Wakefield, and will give a much heavier yield; the plant is short-stemmed. Leaves are light green and very tightly folded.

◎**Danish Ballhead—Short Stem.** 120 days. Heads are thick, round, of medium size, and as hard as a rock. The stump averages longer than with our native sorts. For late marketing, plant about 10 days earlier than Drumhead on land liberally manured.

**Extra-Early Jersey Wakefield.** 85 days. The best early variety of Cabbage. Heads of medium size, pyramidal, pointed, firm and solid, with few outside leaves; they are very uniform in shape, size, and time of maturing, and are of good quality.

◎**Golden Acre.** (Originator's Strain.) 90 days. This is a new, early, round-headed Cabbage which closely resembles Copenhagen Market. As its name implies, it is a money-maker. Eight to ten days earlier, smaller, and can be planted closer. Pkt. 5 cts.;  $\frac{1}{2}$ oz. 30 cts.; oz. 50 cts.;  $\frac{1}{4}$ lb. \$1.

◎**Improved American Drumhead Savoy.** 110 days. Heads large, solid, with finely curled, close, wrinkled leaves, of cauliflower flavor. A good-keeping winter Cabbage.

**Large Jersey Wakefield or Charleston.** 97 days. A selection from Early Jersey Wakefield, and ten days later, with heads rounded and twice as large.

◎**Penn State Ballhead.** 130 days. A large, somewhat flattened form of the Ballhead, producing probably the largest tonnage per acre of any variety of Cabbage. Developed by Pennsylvania State College.

**Red Dutch.** 100 days. Widely grown for pickling. A good red Cabbage.

**Select Large Late Flat Dutch.** 120 days. An excellent keeping variety; the old standby for main crops. Very large; of fine quality.

## Cardoon

Thistle-like vegetable valued for its thick leaf-stalks and midribs which must be blanched by hilling them with earth, like celery. Sow in open ground; rich soil required. Pkt. 5 cts.;  $\frac{1}{2}$ oz. 30 cts.; oz. 50 cts.;  $\frac{1}{4}$ lb. \$1.25.

## Cauliflower

Sow the seeds for early and late Cauliflower crops as directed for cabbage, but do not set the early plants in the field too soon, for if too much stunted by severe frosts, they begin to form heads before they are strong enough to develop them well. Plants which have not headed before winter sets in may be stored in a cool cellar or coldframe, and will form heads there without any further attention. A deep, loamy soil, with a substratum of moisture during dry weather is most suitable for the Cauliflower. Market-gardeners find this one of their most profitable crops, and amateurs who undertake its culture find it easy; but it is a crop in which carelessness or neglect will interfere with the best results.

*One ounce of seed will produce 3,000 plants;  
4 ounces will sow an acre*

Price: Unless noted, pkt. 10 cts.;  $\frac{1}{4}$ oz. 50 cts.;  $\frac{1}{2}$ oz. 75 cts.; oz. \$1.25

©**Danish Giant or Dry-Weather.** 105 days. Finest Danish-grown seed. Very reliable header. The leaves curling over the head do away with tying to blanch, and give it the name of Self-protecting Cauliflower. Excellent for market or family use.

**Early Snowball.** 95 days. This early and popular variety is largely grown everywhere, both for forcing and early crops outside. The plants are dwarf and sure heading; of fine, delicate flavor.

©**No. 291 SNOWBALL.** 95 days. The earliest on the market. A few days at the beginning of the season may mean a much higher price for the market-gardener. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 50 cts.;  $\frac{1}{2}$ oz. 85 cts.; oz. \$1.50.

©**SUPER-SNOWBALL.** 100 days. An improved strain of Snowball with large, uniform heads, maturing evenly throughout the crop. Try starting this variety under glass for extra earliness.

## Celery

Celery can be grown in any soil, but is finest on deep, mellow bottom land. Seed for early crops should be sown in hotbeds about March 15; if sown too early, the plants are apt to run to seed after being transplanted. The plants may either be thinned to give them room to grow, or transplanted to another bed. For the main crop, seed should be sown in the open air as soon as the soil and air are warm enough. They should be covered very lightly, or merely pressed into the earth with a board if the soil is fine and mellow. The seed-bed must be kept free from weeds and well watered in dry weather.

*One ounce of seed will produce 8,000 plants;  
2 ounces will sow an acre*

Price: Unless noted, pkt. 5 cts.;  $\frac{1}{4}$ oz. 15 cts.;  $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.;  $\frac{1}{4}$ lb. 75 cts.

©**Boston Market.** It is unequaled by any other sort, being solid, crisp, and of excellent flavor. Its compact, dwarf habit allows closer planting and requires less earthing up than taller sorts. Desirable for market but also good for the home-garden.

**Easy Blanching.** 115 days. This will mature just after the Golden Self-blanching has been harvested. Pale green, with a slight yellowish tinge. The inner stalk, at a very early stage of growth, blanches to a rich golden yellow, so that the usual banking work is eliminated.

## Celery, continued

©**Giant Pascal—New Utah Strain.** 140 days. The stalks are remarkably broad and thick, and about 2 feet high, yet blanch quickly with but slight banking. Their rich, nutty flavor is entirely free from any bitter taste, and they are tender, crisp, and stringless.

**Dwarf Golden Self-blanching.** 110 days. Has stalks of beautiful golden yellow, equal in quality to those of any other variety grown. One of the best and handsomest of Celeries in our collection. Pkt. 5 cts.;  $\frac{1}{4}$ oz. 15 cts.;  $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.;  $\frac{1}{4}$ lb. \$1.25.

©**Wonderful or Golden Plume Celery.** 115 days. An early Celery of great merit. Large, robust stalks, easily blanched, blight-proof, and of that crispness and nutty flavor so much desired. We consider this and our strain of Originator's Golden Self-blanching the two finest Golden Celeries in cultivation. Pkt. 5 cts.;  $\frac{1}{4}$ oz. 15 cts.;  $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.;  $\frac{1}{4}$ lb. \$1.25.

## Celeriac or Turnip-Rooted Celery

The seed should be sown in early spring, in light, rich soil; the seedlings transplanted in May, and watered freely in dry weather. They will be ready for cooking in October and may be preserved for use during winter in dry sand.

**Prague Giant.** 120 days. The roots of this variety are very large and smooth, with no side roots, and sell better in market than those of almost any other sort offered. When young, they are quite tender and marrow-like, having a very fine flavor and cooking quickly. Pkt. 5 cts.;  $\frac{1}{2}$ oz. 30 cts.; oz. 50 cts.;  $\frac{1}{4}$ lb. \$1.25.

## Chicory

The seed should be sown as early as possible in spring, in good, mellow soil; make the drills at least half an inch deep.

*One ounce of seed will produce 4,000 plants;  
4 pounds will sow an acre*

Price: Pkt. 5 cts.; oz. 35 cts.;  $\frac{1}{4}$ lb. 90 cts.

**Large-rooted Magdeburg or Coffee.** Roots mature in 4 to 5 months. The roots form the Chicory of commerce. The leaves, when blanched, make an excellent salad.

©**Witloof or French Endive.** 80 days. Esteemed as a salad plant. Spring-grown seeds produce parsnip-like roots by November. Cut the leaves off  $1\frac{1}{2}$  inches from neck, trench  $1\frac{1}{2}$  inches apart, cover with soil 8 inches over crown; then place a 2- to 3-inch layer of manure which induces new growth of blanched leaves folded like cos lettuce, which are eaten raw as salad.

## Chives

Salad or vegetable chiefly used for its mild, onion-like flavor. It is a long-lived perennial often planted in herb gardens and sometimes used as an edging around flower-beds. Pkt. 5 cts.;  $\frac{1}{2}$ oz. 30 cts.; oz. 50 cts.

## Corn Salad

A cool-season salad plant which matures in 40 days from seed sown in early spring. It makes broad rosettes of bright green, spoon-shaped foliage, somewhat like lettuce. Pkt. 5 cts.; oz. 20 cts.;  $\frac{1}{4}$ lb. 50 cts.

# Sweet Corn

One-fourth pound of seed will sow 100 hills;  
15 pounds, an acre

Plant in hills 3 to 4 feet apart each way, five or six kernels to a hill; or in rows 4 to 5 feet apart, scattering the seed thinly in the rows. The taller-growing the variety, the richer should be the soil and the wider the space allowed for development.

On Corn, add postage at the rate given in table on Order Sheet

## Hybrid Varieties

Price:  $\frac{1}{2}$  lb. 20 cts.; lb. 30 cts.; 2 lbs. 60 cts.; 6 lbs. \$1.80;  
 $12\frac{1}{2}$  lbs. \$3; bu. or 50 lbs. \$11

©MARCROSS P-39. Early yellow hybrid. Ears  $7\frac{1}{2}$  to 8 inches long, 10 to 14 rows of kernels. Excellent for market-garden use. Wilt-resistant.

©EARLY BAN-CROSS. Similar to Golden Cross Bantam in size but 10 days earlier in maturing. Uniform ears of fine quality. We advise our customers against trying to save their own seeds of these Hybrid Corns, as they must be produced each year by crossing the proper varieties.

©WHIP-CROSS (Whipple's Cross). Developed particularly for market-garden use, as its 12 to 14 rows of golden yellow kernels and well-filled ears are sure to command a better price than ordinary sorts.

©GOLDEN CROSS BANTAM. The first crossed Corn offered and still the standard of quality. Wilt-resistant; ears 8 inches long, with 10 to 14 rows of kernels. Excellent flavor. Very productive.

©SPANCROSS P39. A remarkably fine-flavored Corn of equal quality to Golden Cross, with long, slender ears produced two to the stalk. Ears 7 inches long, 8 to 14-rowed. Average yield per acre, 13,000 ears.

## Open Pollinated Varieties

Price:  $\frac{1}{2}$  lb. 15 cts.; lb. 20 cts.; 6 lbs. \$1.20;  
 $12\frac{1}{2}$  lbs. \$2.25; bu. or 50 lbs. \$7

©Golden Early Market. 75 days. Popular with market-gardeners as it is very early. Large, attractive ears of good quality.

©Golden Sunshine. 76 days. Ten days earlier than Golden Bantam. Good quality. Fine for early market.

Golden Bantam. The most popular of all the golden Corns as it is very fine flavored. Should be in every home-garden.

©Whipple's Yellow. Midseason variety. Large, well-filled ears of fine flavor. A very fine type for market-gardeners.

©Golden Giant. Late yellow variety; large ears. Market-garden variety.

©Bantam Evergreen. 86 days. This is considered the best late yellow Corn. Ears 8 to 9 inches long, 10 to 14 rows of kernels. Excellent for market or to use for canning.

Asgrow Golden Colonel (Golden Country Gentleman). It has all the fine qualities necessary to make it very popular. Large, tender, luscious ears. Must be tried to be appreciated. Market or home-garden.

SEMESAN JR. will improve your crop of Corn if you will treat the seed with it before planting. See page 18.

## White Sweet Corn

Price:  $\frac{1}{2}$  lb. 15 cts.; lb. 20 cts.; 6 lbs. \$1.20;  
 $12\frac{1}{2}$  lbs. \$2.25; bu. or 50 lbs. \$7

Early Mayflower. Early white variety. One of the best early white Corns. Medium-sized ears of good quality.

Squantum. The best midseason white Corn. An old favorite in Rhode Island.

Country Gentleman. Late white type. Shoe-peg kernels. Still a favorite for home-gardens and canning.

Stowell's Evergreen. Late white variety. Large ears with deep tender grains. Very productive and hardy. Good canning variety; the stalks are used for corn fodder by a great many dairy farmers.

## Field Corn (Flint)

Sow 15 pounds of seed per acre

Price: 2 lbs. 25 cts.; 7 lbs. 75 cts.; bu. \$3.50

Longfellow. The variety most widely grown in New England. An early 8-rowed Flint Corn with long ears and comparatively small cobs, filled to the tips with large, broad kernels.

Rhode Island White Cap. A well-known, early, prolific variety from which is made the celebrated Rhode Island white meal. The yield is very heavy and the Corn is of the highest quality.

## Cucumber

All the Best Sorts for Salads and Pickling

The seed cannot be planted in the open ground before the weather has become warm and settled and the ground mellow and light. Plant the seed in well-enriched hills, about 4 feet apart each way, and as soon as all danger from insects is over, thin the plants to leave four of the strongest in each hill. Extra-early crops may be grown by planting the seed in hotbeds in April, upon pieces of sod turned upside down, and removing these to hills in the open ground as soon as the weather is warm enough.

Price: Unless noted, pkt. 5 cts.; oz. 15 cts.;  
 $\frac{1}{4}$  lb. 35 cts.; lb. 90 cts.

Boston Pickling. 50 days. Very popular for pickles; fruit smooth and symmetrical, but slightly pointed at the ends; bright green.

©Clark's Special Long Green. 68 days. Hardy, disease-resistant, medium-late variety of remarkable quality. It is well adapted to general use. When young makes excellent pickles.

Davis Perfect. 60 days. After several years' trial, we give the introducer credit for all he claims for it.

Early Cluster. 50 days. Produced in clusters, and abundantly; short, dark green, firm, crisp, and tender.

Fordhook White Spine. Early, productive; suitable for forcing or outdoor crops. Fruit of medium size, good shape, light green, with a few white spines on the surface.

Improved Long Green. 72 days. The leading long-growing sort, and excellent for pickles. The fruits are dark green, long, well-shaped, firm, and crisp.

Japanese Climbing. 55 days. Vigorous, tall-climbing, and clings tightly to trellises. Fruits almost straight, large, and from 12 to 16 inches long; skin dark green; flesh thick and delicately flavored. Pkt. 5 cts.; oz. 15 cts.;  $\frac{1}{4}$  lb. 35 cts.; lb. \$1.

## Cucumber, continued

©**Longfellow.** A very desirable variety for the market-gardener. Dark green color; uniform size about 12 inches long; straight. Very attractive. Pkt. 5 cts.; oz. 15 cts.;  $\frac{1}{4}$ lb. 35 cts.; lb. \$1.

©**New Straight-8.** Introduced by Ferry-Morse Co. Awarded Gold Medal, 1935 All-America Selections. This variety produces cylindrical fruits about 8 inches in length and  $1\frac{1}{2}$  inches in diameter, deep green in color, and free from objectionable striping. Pkt. 5 cts.; oz. 15 cts.;  $\frac{1}{4}$ lb. 35 cts.; lb. \$1.

©**Woodruff's Hybrid.** Main-crop variety, 8 to 10 inches long. Very attractive and prolific. Dark green with rounded ends.

## English Frame Cucumber

**Telegraph.** For growing in hotbeds or greenhouses. This is the finest strain obtainable, and is not to be classed with the ordinary types. Pkt. (10 seeds) 25 cts.; pkt. (100 seeds) \$1.50.

## Cress

The leaves form spicy spring salads, and are also used for garnishing. Sow thickly in shallow drills in early spring, and at intervals for continual supply, as it soon runs to seed.

**Extra-Curled or Pepper-Grass.** 40 days. Of pleasant, pungent flavor; leaves can be cut several times; grows well in almost any soil. Pkt. 5 cts.; oz. 15 cts.;  $\frac{1}{4}$ lb. 40 cts.

**Water Cress.** 50 days. Tender, crisp, and spicy when young. Plant of prostrate habit. A perennial aquatic, which grows well in any stream, forming large beds of leaves. Pkt. 5 cts.;  $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.;  $\frac{1}{4}$ lb. \$1.25.

## Dandelion

Furnishes an early and most healthful crop of spring greens. Sow in rich soil, in rows about a foot apart; cover them only  $\frac{1}{4}$ inch deep and firm the soil down. Thin to 10 inches apart in the rows, that the roots may grow large and solid. The planting-time in this section of the country is about August 1.

©**Improved American Thick-leaved.** 50 days. Pkt. 5 cts.;  $\frac{1}{2}$ oz. 30 cts.; oz. 50 cts.;  $\frac{1}{4}$ lb. \$1.50.

©**Italian (*Cicoria catalogna*).** Pkt. 5 cts.;  $\frac{1}{2}$ oz. 20 cts.; oz. 30 cts.;  $\frac{1}{4}$ lb. 75 cts.

## Endive (The Winter Salad)

This is an important fall and winter salad. For early crop, the seed should be sown in April, in drills 15 inches apart, and the seedlings thinned to stand a foot apart in the rows. Sowings for the main crop can be made in June and July, as the vegetable is used principally in fall and winter.

Sow  $\frac{1}{4}$  ounce of seed to 100 feet of drill;  
 $4\frac{1}{2}$  pounds to an acre

Price: Pkt. 5 cts.;  $\frac{1}{2}$ oz. 15 cts.; oz. 25 cts.;  $\frac{1}{4}$ lb. 40 cts.; lb. \$1

©**Full Heart Batavian.** 45 days. The broad, thick leaves make excellent salads when blanched. The plant is very hardy, and yields heavier crops than other sorts.

©**Green Curled.** 40 days. The one most generally cultivated. Dark green curled leaves, and, when blanched, very crisp and tender; ready for use earlier than the other sorts.

## Eggplant

Sow the seed in hotbed early in March, transplant to small pots, and plunge them in the same beds; this is to make them strong and stocky. They should not be planted out in rows until May or June, when the weather becomes warm and settled, as cool nights and wet weather will check their growth. Set the plants in rows 3 feet apart each way.

One ounce of seed will produce 2,000 plants;  
4 ounces, an acre

Price: Pkt. 5 cts.;  $\frac{1}{2}$ oz. 30 cts.; oz. 50 cts.;  $\frac{1}{4}$ lb. \$1.25

©**Black Beauty.** 110 to 125 days. The leading market variety, strong and productive in habit. The fruits are deep purple, large and smooth, entirely free from thorns, and the flesh is white, tender, and delicately flavored. The plant is robust and a good yielder on all rich soils.

©**Improved Long Purple.** 124 days. An early, hardy, and prolific variety with fruits of excellent quality, 6 to 10 inches in length and 2 to 3 inches in diameter. Rich dark purple.

## Finocchio or Florence Fennel

A delicious Italian vegetable which tastes quite like celery, but is a little sweeter and more delicate in flavor. The enlarged leaf-bases are usually boiled in preparation for the table. Pkt. 5 cts.;  $\frac{1}{2}$ oz. 20 cts.; oz. 35 cts.;  $\frac{1}{4}$ lb. 60 cts.; lb. \$1.50.

## Sweet and Medicinal Herbs

**Anise.** Used for garnishing and flavoring. The seeds have an agreeable and aromatic flavor, and are used in medicine.

**Balm.** Leaves possess a fragrance similar to lemons. Made into Balm tea for fever, and into a beverage called "Balm wine."

**Basil, Sweet.** For stews, soups, and sauces.

**Borage.** Excellent for bees. Flowers used to flavor cool drinks.

**Burnet.** Leaves slightly astringent. Used in salads and soups.

**Caraway.** The seeds are used in cakes, confectionery, etc.

**Catnip.** Used for bee food and seasoning.

**Coriander.** Grown for its seeds, which are used in confectionery.

**Dill.** Used for pickling. Has an aromatic odor and a warm, pungent taste.

**Horehound.** Valuable for medicines.

**Lavender.** Used for perfume.

**Marjoram, Sweet.** Used for seasoning.

**Peppermint.** Leaves used for flavoring.

**Rosemary.** An aromatic, ornamental herb.

**Rue.** Used for seasoning; also as a remedy for roup in poultry.

**Saffron.** The flowers are used in dyeing.

**Sage.** Medicinal, but used for flavoring.

**Savory, Summer.** The dried stems, leaves, and flowers are used extensively for flavoring.

**Tansy.** Thrives in all common garden soils which are not too wet. Used for ornamental and medicinal purposes.

**Thyme.** The young leaves and tops are used for sauces, soups, and dressings. Also good for nervous headache when made into tea.

**Wormwood.** Grows readily. Used medicinally. Of benefit to poultry; plant freely in the poultry yard.

**Tobacco, Connecticut Seed-leaf or Havana.**

Any of above, 5 cts. per pkt.

## Kale or Borecole

Sow the seed in beds in April or May and transplant and cultivate the seedlings like cabbage. They grow in almost any soil.

*One ounce will produce 3,000 plants or 200 feet of drill; 1/2 pound, an acre*

Price: Pkt. 5 cts.; oz. 15 cts.;  
1/4lb. 25 cts.; lb. 75 cts.

⑤ **Dwarf Green Curled Scotch.** 55 days. A dwarf, spreading variety, seldom exceeding a foot in height, but rounding out to a diameter of 2 feet under good cultivation. The leaves are bright green, tender, and elegantly curled. The variety is very hardy and one of the best grown. Two weeks later than Tall Scotch, but stands longer before going to seed.

⑤ **Siberian.** Large and vigorous plants, very spreading. Leaves large, coarse, plain at center, with cut and frilled edges deep bluish green in color. Very hardy.

⑤ **Tall Scotch.** 65 days. A very hardy, upright variety 3 feet tall. Tender, bright green, finely curled leaves of excellent flavor.

## Kohlrabi

If the weather is favorable, the seed should be sown in April, in rows 1 1/2 feet apart, and the seedlings thinned to stand a foot apart for large varieties, and 6 to 8 inches apart for other sorts; they are somewhat difficult to transplant. The stems swell into large bulbs above the ground, and are fit for use when 3 to 4 inches in diameter. For late crops, sow in June or July.

*Sow 1/3 ounce to 100 feet of drill; 2 pounds per acre*

⑤ **Early White Vienna.** 60 days. The best and earliest market sort. The plants grow rapidly, have small foliage, and mature their fine, round, white bulbs quite early; flesh fine-grained, white, tender, and good; tips quite short. Pkt. 5 cts.; 1/2oz. 20 cts.; oz. 30 cts.; 1/4lb. 75 cts.

## Lettuce

Lettuce is a plant of most simple culture when grown in the open air. It requires rich soil, plenty of well-rotted manure, and abundant moisture. Seed may be sown in a frame in February or March, not much bottom heat being required. The plants may be set out as early as the ground can be worked, as light frosts will not injure them. Set in rows about 1 1/2 feet apart, leaving 8 to 10 inches of space between the plants. For successive crops, sow every two weeks up to July.

*Sow 1/4 ounce to 100 feet of drill; 3 pounds per acre*  
Price: Unless noted, pkt. 5 cts.; 1/2oz. 15 cts.; oz. 20 cts.;  
1/4lb. 35 cts.; lb. \$1

**Big Boston.** 50 days. Similar to the Boston Market, with heads twice as large and a week later in maturing.

**Grand Rapids.** 38 days. One of the best loose-leaved varieties. Excellent for greenhouse forcing and good for outdoor culture. Large, light green, curled leaves; crisp and tender. Pkt. 5 cts.; 1/2oz. 10 cts.; oz. 20 cts.;  
1/4lb. 35 cts.; lb. \$1.

⑤ **May King.** 45 days. Will head with heat as well as outdoors, though it attains a better size with open-air culture. Globular-shaped heads of enormous size, hard and well closed. Pkt. 5 cts.; 1/2oz. 10 cts.; oz. 20 cts.; 1/4lb. 35 cts.; lb. \$1.

## Lettuce, continued

⑤ **New York No. 12.** 60 days. A variety considerably larger than Iceberg and about ten days later. The outer leaves are a distinct dark green compared to Iceberg.

⑤ **Romaine or White Paris Cos.** 55 days. A sort with long, narrow, upright leaves; does not head, but when tied up blanches very nicely; bears close planting. A splendid sort for summer use.

**Salamander.** 50 days. Valuable outdoor Lettuce. Large, solid; good color; stands well during the hot months.

**Tomhannock** (Crisp-as-Ice). 50 days. Leaves almost white, crisp, and tender; edges of the outer leaves reddish bronze.

⑤ **White Boston.** 75 days. Similar to Big Boston but with leaves slightly lighter green and free from a brown tint; heart buttery yellow; excellent quality.

## Leek

The Leek is generally considered superior to the onion in flavor, and is much used for seasoning soups and boiling with meats. The plants are easily cultivated and very hardy, enduring the severest winter weather without protection. The seed should be sown in hotbeds in early spring, and the seedlings transplanted later to the open ground, 8 inches apart, in rows from 12 to 15 inches apart. For a winter supply of this, sow seed in the open ground in early spring and thin the seedlings until they have room for development, or transplant them as above; the former method gives larger stalks some time earlier than when the roots are transplanted. They should be stored like celery for winter.

*Sow 1/3 ounce to 100 feet of drill; 4 pounds per acre*

⑤ **Elephant.** 90 days. The stalks are large and the leaves grow from their sides, as in the flag. Pkt. 5 cts.; 1/2oz. 20 cts.; oz. 35 cts.;  
1/4lb. 90 cts.; 1/2lb. \$1.50; lb. \$3.

## Mustard

**White London.** 60 days. A variety with small, smooth, dark green leaves, which are greatly relished as salads, or when cooked like spinach. The seed should be sown in shallow drills as early as the ground can be prepared in spring. Oz. 10 cts.; 1/4lb. 25 cts.; lb. 75 cts.

## Pure-Spore Culture Mushroom Spawn

The growing of Mushrooms is rapidly increasing. A fine crop of Mushrooms can be secured with very little labor or expense, provided a suitable location can be obtained. Cellars, greenhouses, and sheds can be used for their culture. We are now offering our customers Spawn that is made in quart milk jars under absolutely sterile conditions, and each bottle contains nothing but the pure Spawn. Every particle is full run, covered with Spawn grown direct from the spores. One carton of the Spawn equals five bricks of ordinary Spawn and is sufficient to spawn about 40 square feet. The sterile Spawn is dried thoroughly and each piece wrapped in tissue paper, which contains full instructions, not only as to how the Spawn should be used, but full particulars about growing Mushrooms. Anyone can order Spawn and with it get the necessary knowledge to make growing successful. Carton \$1.

## Muskmelons

Muskmelon seed should not be planted outdoors until all danger of frost is over and the ground has become warm and dry. The hills should be about 6 feet apart and carefully prepared. Rich earth is far better for the young plants than manure, but if the latter must be used, see that it is well rotted. Plant from six to twelve seeds in a hill, and when the young seedlings are strong enough to resist the attacks of insects, thin them, leaving three of the strongest in each hill. The vines should have clean cultivation until they cover the ground, and if they grow too rank, pinch off tips of the shoots, causing them to set more and larger fruits.

*One ounce of seed will sow 100 hills;  
1 to 3 pounds, an acre*

Price: Pkt. 5 cts.; oz. 15 cts.;  $\frac{1}{4}$ lb. 30 cts.; lb. \$1

©**Bender's Surprise.** 90 days. Large, oval-shaped, coarsely netted fruit. Flesh of a deep orange color and very thick. A good keeper and shipper.

©**Emerald Gem.** 70 days. Early, with small, smooth-ribbed, dark green fruits; flesh thick and salmon-colored, granular, sweet and rich; very delicious and satisfying to the taste; the vines bear heavily.

**Honey Dew.** 85 days. The Honey Dew averages 9 inches long and 7 inches wide. Greenish white until dead ripe, then pale yellow; of excellent flavor.

©**Lake Champlain.** 68 days. An early-maturing variety having few seeds and a very small seed cavity. Considered by market-gardeners as one of the most desirable kinds for critical markets. Nicely netted, medium-sized fruit with flesh golden yellow.

©**Miller's Cream or Osage.** 75 days. Fine, attractive fruits which sell quickly in market, and therefore a favorite among the truckers. The fruits are large and round, with light green, netted skin; thick, sweet, salmon-colored flesh.

**Rocky Ford.** Medium-early variety. Fruit oval, covered with a fine netting; flesh green, very sweet, highly flavored.

## Watermelons

An effort should be made to secure good, strong vines early in the season, and this can be done by taking care that the hills are large, mellow, and well-drained, with the manure placed so that they will not dry out quickly under hot suns. All protection from insects should be given the young plants, and their growth may be hastened by frequent applications of liquid manure. Plant the seeds thickly and thin the plants to four of the strongest in each hill.

*Sow 4 ounces to 100 hills; 1½ to 4 pounds, an acre*  
Price: Pkt. 5 cts.; oz. 15 cts.;  $\frac{1}{4}$ lb. 25 cts.; lb. 75 cts.

**Cole's Early.** 75 days. A fine early Watermelon; can be grown over a large latitude; flesh bright red; nearly round; rind thin.

**Halbert Honey.** 85 days. Long, blunt-ended, very large fruits with thin, dark green rind.

©**King and Queen.** This is the finest melon for market-garden use in this section. Fruits round; flesh scarlet.

©**Kleckley Sweets.** 85 days. The sweetest of all melons. Luscious flavor; fine-grained, tender meat; large.

**Red-seeded Citron.** 90 days. Round; marbled with light green; the flesh is white and solid; seeds red.

## Onion Seed

Good Onion Seed is the Foundation  
for a Good Crop

To be assured of a fine crop of early Onions, plant the seed in shallow wooden plant-boxes. When the plants have attained the height of from 5 to 6 inches, trim off the tops and transplant into the open ground as soon as the ground can be worked. From one ounce of seed planted in this way the returns are very large.

A good crop is impossible unless the soil is very rich and kept clean. Use well-rotted manure freely, and get the crop in as soon as possible in the spring, no matter if the weather is cold and unpleasant. Sow in drills 1 foot apart and cover about one-third of an inch, treading or rolling after sowing, so that the hot, dry atmosphere may not dry up and destroy the sprouting seed. When 3 inches high, thin to 2 inches apart. Stir the ground freely without disturbing the young plants and keep free from weeds.

*Sow  $\frac{1}{3}$  ounce of seed to 100 feet of drill;  
4 to 5 pounds, an acre*

Price: Unless noted, pkt. 5 cts.;  $\frac{1}{2}$ oz. 20 cts.; oz. 30 cts.;  $\frac{1}{4}$ lb. 50 cts.; lb. \$1.75

©**Sweet Spanish or Valencia.** This is, undoubtedly, the finest of any of the large sweet Onions. Attains a very large size and is a fine keeper.

**Red Wethersfield.** 110 days. One of the most productive and long-keeping. Bulbs deep purplish red, large, flat, strong-flavored, and grow to a large size the first year from seed. Pkt. 5 cts.; oz. 30 cts.;  $\frac{1}{4}$ lb. 60 cts.; lb. \$2.

**Southport Red Globe.** 130 days. This is a favorite with all who grow Red Onions. It grows to a fair size, with very small neck, and bright red in color. We offer a fine stock.

©**Southport White Globe.** 110 days. A large, showy, globular white Onion, which sells quickly in market. The bulbs grow quite rapidly and, if the seed is sown early, good-sized roots, suitable for pulling and marketing in a green state, are soon formed. They are mild-flavored, keep well, and the yield is good. Pkt. 5 cts.; oz. 30 cts.;  $\frac{1}{4}$ lb. 75 cts.; lb. \$2.50.

©**Spanish King or Prizetaker.** 100 days. Bulbs very large, round, and handsome; rich yellow skin; mild, sweet, pure white flesh; quite free from stiff necks. Bottom well and yield enormously. A very desirable sort.

©**Yellow Globe Danvers.** 110 days. Buxton type, selected, home-grown stock. Early; globe-shaped, with very small neck; large; good keeper. The best for general crop. Pkt. 5 cts.; oz. 30 cts.;  $\frac{1}{4}$ lb. 60 cts.; lb. \$2.

## Onion Sets

These are small Onions grown the previous year, ripened off, and taken up when mere bulblets. They produce a very early and profitable crop, and grow in any good soil. Set them in rows 1 foot apart and 3 inches apart in the rows.

Price: Lb. 20 cts.; 4 lbs. 60 cts.; 8 lbs. \$1

**White, Yellow, and Ebenezer Sets, for spring planting.**

**Top Onion Sets for fall.** Market price; price variable.

## Okra

The tender, young pods are used for seasoning soups and stews. Sow the seed thickly in rich soil, about the middle of May, in drills 3 feet apart, and cover the seeds an inch deep. Thin the young plants to stand 10 inches apart, hoe them often and earth up the stems a little in cultivation, for support.

*One ounce of seed will plant 100 hills*

**Improved Dwarf.** 50 days. Grows about 14 inches high; produces twice as many pods as taller sorts. Pods smooth, tender, well-flavored. Pkt. 5 cts.; oz. 15 cts.;  $\frac{1}{4}$  lb. 25 cts.; lb. 75 cts.

## Garden Peas

The smooth-seeded varieties are usually planted in late March as they are very hardy. Wrinkled varieties may be planted soon after April 1, or as soon as the ground can be prepared.

Successive plantings should be made two weeks apart until May 15.

Late plantings are not successful as the hot and dry weather is unfavorable to the development of the plants.

*One pound of seed will sow 100 feet of drill;  
120 pounds, an acre*

If to be sent by mail, add postage at the rate given in table on Order Sheet

Price: Unless noted,  $\frac{1}{2}$  lb. 15 cts.; lb. 25 cts.;  
2 lbs. 45 cts.; 7 lbs. \$1.40; 14 lbs. \$2.40

## Extra-Early Peas

### Medium and Dwarf Sorts

**Alaska.** 60 days. One of the earliest in cultivation. Grows about 2 feet high; pods small, but well filled with plump, excellent dark green Peas. Smooth seeded.

**Gradus.** 65 days. Second-early variety for market- or home-garden, with 4-inch, dark green pods.

**Hundredfold.** 65 days. Very popular for home- and market-gardens. Pods 4½ inches, early, and very sweet. Vines grow 16 to 18 inches high.

**Laxtonian.** 62 days. One of the best dwarf, wrinkled Peas for the market-gardener. Pods about 4 inches long, resembling those of Gradus, but a little earlier. Vines productive and vigorous; average height under 1½ feet.

**Laxton's Progress.** 62 days. An improved Laxtonian type Pea. Larger dark green pods, very sweet; heavy bearer.

**Little Marvel.** 62 days. One of the finest dwarf wrinkled Peas for home-gardens. It is unexcelled for quality. Not recommended for market-gardens as the pods are small.

**Mammoth-podded Extra Early.** 60 days. This is the largest podded of the extra-early, smooth-seeded varieties. For market-gardeners, this Pea has no superior. Pods 3½ inches long. Vines grow about 2½ feet high.

**MIRACLE PEAS.** 75 days. Recent introduction by a famous English Pea-breeder. Mid-season variety. Height of vines, 4 feet. Does well in hot, dry weather and is immune to mildew and blight.  $\frac{1}{2}$  lb. 25 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 7 lbs. \$2.50.

## Extra-Early Peas, continued

**Rogers No. 95 Icer.** 75 days. A recently introduced midseason variety, with pods from 4 to 5 inches long. Fine quality. Heavy bearing. Pods contain 8 to 10 large, succulent Peas. Vines grow from 24 to 28 inches high.

**Roger's Gilbo.** 72 days. An outstanding mid-season variety recently introduced. Mammoth size pods, excellent flavor, and very productive. Should be in every home-garden and one of the finest for market-garden use. Pods 4½ to 5 inches.

**Sutton's Excelsior.** 65 days. Fine home-garden variety of excellent flavor; very sweet. We do not recommend it for market-gardens.

**World's Record.** 62 days. Best extra-early variety for this vicinity. It can be planted early and is very productive. It is the best market-garden variety to plant for an early crop.

**Wyoming Wonder or Giant Stride.** Same type as Rogers No. 95 Icer.

## Intermediate and Late Peas

**Alderman.** 80 days. Late, tall variety, similar to Tall Telephone.

④ **Telephone.** 80 days. Pods and Peas are very large and showy, the latter being sweet and rich; popular. Vines 3½ feet high.

## Pepper

Sow in hotbed as early as April, transplant to rich, warm, mellow soil as soon as the weather has become warm and settled, setting them about 2 feet apart in drills 3 feet apart. Seed may be sown later, in the open ground when all danger from frost is over, and thinned to the distance given above.

*One ounce of seed will produce 1,500 plants;  
½ pound, an acre*

Price: Unless noted, pkt. 5 cts.;  $\frac{1}{2}$  oz. 25 cts.; oz. 40 cts.;  $\frac{1}{4}$  lb. \$1.10

④ **California Wonder.** 125 days. Nearly as large as, but earlier than Chinese Giant; shape blocky and square ended. It may be set upright and is ideal to stuff and bake, or to serve whole for salad. Heavier and firmer than other sorts, walls exceptionally thick; flavor sweet and spicy with no bite to it.

④ **Harris Early Giant.** 110 days. A very early, large-fruited Pepper. The skin is scarlet-red and the moderately thick flesh is sweet and crisp.

④ **Italian, Sweet.** 115 days. Exceedingly mild flavor; in great demand in this vicinity. Grows 6 to 7 inches in length, diameter about 2 to 3 inches at the base. Pkt. 5 cts.;  $\frac{1}{2}$  oz. 25 cts.; oz. 40 cts.;  $\frac{1}{4}$  lb. \$1.25.

④ **Large Bell or Bull Nose.** 120 days. (Hot.) Large, thick pods.

**Red Cherry, Large.** (Hot.) Large, round, bright red. Pkt. 5 cts.;  $\frac{1}{2}$  oz. 30 cts.; oz. 50 cts.;  $\frac{1}{4}$  lb. \$1.25.

**Windsor A.** 105 days. A drought-resisting, thick-fleshed early Sweet Pepper with medium-sized fruits. Award of Merit, 1938 All-America Selections.

④ **Worldbeater.** 125 days. The color is deep green when fruit is young, deep crimson when matured. The flavor is mild. Pkt. 5 cts.;  $\frac{1}{2}$  oz. 25 cts.; oz. 40 cts.;  $\frac{1}{4}$  lb. \$1.

## Parsley

The leaves of most sorts of Parsley are beautifully curled, and useful for garnishing as well as flavoring.

*Sow 1/4 ounce to 100 feet of drill; 3 pounds to an acre*  
Price: Pkt. 5 cts.; oz. 15 cts.; 1/4lb. 25 cts.; lb. 75 cts.

◎**Champion Moss Curled.** 70 days. Leaves bright green, finely cut, and beautifully curled.

◎**Plain Leaf.** 60 days. Leaves are longer and darker green than the curled varieties; very hardy.

◎**Turnip-rooted.** 90 days. Forms thick, fleshy, edible roots used extensively as flavoring.

## Parsnips

Sow the seed in drills 15 inches apart, as early as possible in spring, and thin the plants until they are 5 to 6 inches apart in the rows. The roots are improved by frost, and only enough for winter use need be taken up in the fall, leaving the rest in the ground until spring to be dug up as required. Deep, rich, heavy soil is best suited, but on any deep, rich, mellow soil the yield is good per acre, and the roots will be smooth and large if no fresh manure is used.

*Sow 1/4 ounce of seed to 100 feet of drill;  
4 pounds to an acre*

◎**Champion Hollow Crown.** 110 days. The variety most widely grown; tender, sweet; very productive. Pkt. 5 cts.; oz. 15 cts.; 1/4lb. 25 cts.; lb. 65 cts.

## Pumpkin

The Pumpkin is now little used except for agricultural purposes, the squashes being so much sweeter and drier and finer grained for the kitchen. The farmer, however, finds the Pumpkin a serviceable addition to his feed. The most common method of cultivation is to plant them with corn, two or three seeds to each hill.

*Sow 3/4 pound to 100 hills; 3 to 4 pounds to an acre*

**Connecticut Field.** 70 days. Very productive; largely grown for feeding stock. Pkt. 5 cts.; oz. 10 cts.; 1/4lb. 25 cts.; lb. 70 cts.

**Mammoth.** 85 days. Immense size, often weighing over 100 pounds. Pkt. 5 cts.; oz. 15 cts.; 1/4lb. 40 cts.; lb. \$1.25.

◎**Sugar.** 65 days. Round, not large, but very sweet, and an excellent table variety. Pkt. 5 cts.; oz. 10 cts.; 1/4lb. 25 cts.; lb. 75 cts.

◎**Winter Luxury.** 90 days. Fine pie Pumpkin, round, color russet-yellow; flesh thick; fine flavor. Pkt. 5 cts.; oz. 10 cts.; 1/4lb. 25 cts.; lb. 80 cts.

## Radish

Sow in the open ground as soon as it can be worked, at intervals of ten days for a succession as long as wanted. Sow in hotbed or greenhouse in winter. The winter varieties should be sown in August and lifted before severe frost.

*Sow 2/3 ounce to 100 feet of drill;  
10 to 12 pounds to an acre*

Price: Unless noted, pkt. 5 cts.; oz. 10 cts.; 1/4lb. 25 cts.; lb. 60 cts.

**Cavalier.** 20 days. Short-topped, globe-shaped, deep scarlet roots, principally used for forcing but can be grown outdoors. Selected seed-stock. Pkt. 5 cts.; oz. 10 cts.; 1/4lb. 25 cts.; lb. 65 cts.

## Radish, continued

**Cooper's Sparkler.** 25 days. The color is a rich carmine-scarlet, with a very pronounced tip of the purest white. The roots, even when fully developed, are solid, crisp, sweet, and remain fit for use as long as the coarser kinds.

**Crimson Giant.** 25 days. Early, large, globe-shaped Radish with crisp, solid flesh that remains a long time without getting pithy.

**French Breakfast.** 25 days. Olive-shaped; red above and white below; medium size; small top and of quick growth; crisp, sweet, and tender.

**Glowing Ball.** 20 days. This is really a fine Radish. Its glowing color, excellent quality, crispness, and uniformity are its outstanding features. Pkt. 5 cts.; oz. 10 cts.; 1/4lb. 25 cts.; lb. 65 cts.

**Icicle.** 30 days. A handsome first-class early variety, in color snowy white. It grows to the average length of the long varieties, but holds its fullness well down to the tap-root. Exceedingly attractive and excellent in every way.

**Round Black Spanish.** 60 days. A popular round winter variety with black skin and mild sweet flesh. A good keeper. Pkt. 5 cts.; oz. 10 cts.; 1/4lb. 25 cts.; lb. 65 cts.

◎**Vick's Early Scarlet Globe.** 20 days. For forcing in the greenhouse, hotbed, or cold-frame, and for sowing in open borders early in the spring, there is no other red variety so desirable. Pkt. 5 cts.; oz. 10 cts.; 1/4lb. 20 cts.; lb. 50 cts.; 10 lbs. \$4.50.

◎**White Giant Stuttgart.** 50 days. Very early; grows to a large size; fine quality; firm and brittle.

## Rhubarb

Mostly propagated by division of the roots. Set out the plants early in spring, although it is sometimes done in autumn. Make furrows of good depth, 3 to 4 feet apart, according to variety planted; across these furrows, at right angles, make others the same distance apart; at each intersection put three or four shovelfuls of good manure, and upon this set the plants.

**Victoria.** 150 days. In general use for the market; immense crops. Pkt. 5 cts.; oz. 20 cts.; 1/4lb. 60 cts.; lb. \$2. Roots in season, 10 cts. each, \$1 per doz.

## Salsify

When cooked, the roots have something of the flavor and odor of oysters. They may be boiled, used in soups, or grated and fried as fritters. Culture same as for parsnips and carrots. Roots are perfectly hardy, and may be left in the ground all winter, but should be dug early in spring, as the quality deteriorates rapidly with the second growth. A quantity of roots for winter use may be stored in a pit or in sand or damp earth in a cellar.

*Sow 3/4 ounce of seed to 100 feet of drill;  
8 pounds to an acre*

**Mammoth Sandwich Island.** 140 days. A great improvement on the French sort generally cultivated. The roots are twice as large, smooth, tender, and well-flavored, resembling fair-sized parsnips. Pkt. 5 cts.; oz. 25 cts.; 1/4lb. 75 cts.

## Spinach

### MARKET-GARDENERS, ATTENTION

We are in a position to quote you most favorable prices on large lots of Spinach. Ask for a quotation.

One of the most important crops grown for greens, and may be had in good condition from very early in spring until cold weather. For early use, sow very early in spring, and for succession at intervals. The main crop, for spring and winter use, should be sown in September and the plants covered for winter.

*Sow 1/2 ounce of seed to 100 feet of drill;  
10 pounds to an acre*

Price: Unless noted, oz. 10 cts.; 1/4lb. 15 cts.; 1 to 9 lbs. at 22 cts. per lb.; 10 to 49 lbs. at 20 cts. per lb.; 50 to 100 lbs. at 18 cts. per lb.

©**Giant Nobel.** 45 days. A new giant, thick-leaved type with long-standing qualities. An extremely heavy yielder.

©**Giant Thick-leaved.** 60 days. A large, upright-growing, early variety with very thick, large, slightly crumpled leaves of medium green color. Fine for fall and spring sowing. A rapid grower.

©**Long-standing Bloomsdale.** 43 days. A little later than Reselected Bloomsdale, but holds two weeks longer before throwing seed-stalks. Our stock of seed is the best obtainable.

©**New Zealand.** 65 days. Substitute for Spinach during hot weather. Pkt. 5 cts.; oz. 15 cts.; 1/4lb. 35 cts.; 1 to 9 lbs. @ 60 cts. per lb.; 10 to 49 lbs. @ 50 cts. per lb.

©**No. 5 Aristocrat Bloomsdale Savoy, Extra Curled.** Originator's stock. Very dark green. Award of Merit, 1936 All-America Selections. This is considered the best strain on the market and our sales on this type have been very large.

©**Reselected Bloomsdale Savoy.** Excellent for early sowing. Leaves dark green, heavy, crumpled, and blistered. Will not stand quite as long as Long-standing Bloomsdale.

## Squashes

Squash seed should be planted at about the same time and in the same manner as cucumbers and melons. The hills should be 9 feet apart each way, slightly elevated, and highly manured. Bush varieties may be planted closer together. Use plenty of seed, as the bugs will destroy some plants.

*Summer varieties, sow 4 ounces to 100 hills;  
4 pounds to an acre*

*Winter varieties, 8 ounces to 100 hills;  
2 pounds to an acre*

Price: Unless noted, pkt. 5 cts.; oz. 20 cts.; 1/4lb. 35 cts.; lb. \$1

©**Blue Hubbard.** 90 days. Hard shell; thick, dry meat of fine quality; favorite winter sort for Boston market.

©**Cocozelle (Di Napoli).** 65 days. This Italian Squash grows about 15 inches long and has smooth, dark green skin; fine flavored. Pkt. 5 cts.; oz. 20 cts.; 1/4lb. 40 cts.; lb. \$1.50.

**Delicious.** 103 days. Remarkably fine and compact grain, dry, sweet, and exceedingly rich in flavor; uniformly green.

**Des Moines or Table Queen.** A Novelty. 58 days. Small, acorn shaped; dark green, almost black; size about 6 inches long and 4 inches in diameter; prolific. Quality excellent.

## Squashes, continued

©**Giant Summer Straightneck.** 55 days. Lemon color. The largest of the early Straight-necks, and as early as any; flesh tender and good, cooking quickly.

**Golden Delicious.** 100 days. Finest golden Squash for home-garden or roadside market. Fruit weighs about 7 pounds. Bright orange; flesh medium grained, sweet, and dry.

©**Golden Hubbard.** 100 to 105 days. This is a very distinct sort of the shape and general character of the Hubbard, but a little smaller, earlier to mature, and of a rich orange-red color, instead of the dark olive-green of the old Hubbard.

**Golden Summer Crookneck.** 55 days. Early and productive; fruits yellow, covered with water excrescences, as in all this race; flesh fine-grained and rich. Of fine quality.

**Old-Fashioned Green Hubbard.** 105 days. The old popular variety with bluish green skin and orange-yellow flesh. Keeps well.

**The Warren.** Turban in shape but the shell is rough, warty, thicker and harder, color richer, and a better keeper.

©**Warted Hubbard.** 110 days. Dark green. Very hard, warty shells of large size. Popular with market-men.

**White Bush Scalloped.** 50 days. The earliest; skin cream-colored; flesh sweet and rich; very productive.

## Tomatoes

For early use, sow in February or March in hotbed or in boxes and pots set in a warm window. When the seedlings are about 3 inches high, transplant them to pots or in rows 4 to 5 inches apart, keeping the temperature at about 60 degrees. Do not set them in the open ground until all danger from frost is past.

*One ounce of seed will produce 2,000 to 3,000 plants*

Price: Unless noted, pkt. 5 cts.; 1/2oz. 25 cts.; oz. 40 cts.; 1/4lb. \$1

©**ASGROW SCARLET DAWN.** Introduced in 1934 by the Associated Seed Growers, it received the All-America Selections Gold Medal for 1935. An extra-early variety, bright scarlet in color, very prolific, and of very good quality. Pkt. 5 cts.; 1/2oz. 35 cts.; oz. 60 cts.; 1/4lb. \$1.75.

©**W. E. B. CO.'S SPECIAL BONNY BEST.** This variety deserves a trial by everyone who wants a superior second-early Tomato. Color bright scarlet; globe-shaped and a very heavy bearer.

**Acme.** 105 days. Fruit pink, large, smooth, solid, never cracking, and holding its size well. A good long-distance shipper.

**Dwarf Champion.** Plants compact, stocky and upright, requiring no support. The pink fruit is always smooth and handsome, ripening close to the core and never cracking.

©**Dwarf Stone.** 95 days. This splendid new variety is put out by Livingston. Valuable as a general-crop Tomato.

©**BARRETT'S SPECIAL EARLIANA.** 90 days. Considered the earliest red Tomato grown. Fair size; good shape; good quality.

**Golden Queen.** A yellow-fruited variety that is excellent for slicing.

**John Baer.** 95 days. Only a few days later than Barrett's Special Earliana, it yields a much heavier crop of larger, more uniform, and more attractive fruit.

## Tomatoes, continued

©**Certified Marglobe.** 118 days. A remarkable pure scarlet, globe-shaped variety of extra-large size and early maturity. It is resistant to nail-head rust and fusarium wilt.

**Oxheart.** A heart-shaped Tomato with thick, mild, pink flesh and very few seeds. Attains great size and weight. Matures late. Pkt. 5 cts.;  $\frac{1}{2}$ oz. 40 cts.; oz. 75 cts.;  $\frac{1}{4}$ lb. \$2.

**Ponderosa.** 110 days. Vines are of strong growth. When planted in rich soil, and pruned to single stem, the fruit often reaches one pound in weight.

©**Pritchard or Scarlet Topper.** 112 days. A new midseason variety. Fruits large, smooth, and round. Fine for market.

**Large Red Plum.** A small-fruited Tomato of good size. Fine for preserves.

**Red Pear.** A pear-shaped variety of small-fruited Tomato. Fine for preserves.

**Stirling Castle.** An excellent sort for forcing under glass, as well as for outdoor culture. Fruit bright, glossy red, smooth, of fine flavor, and very early. Pkt. 5 cts.;  $\frac{1}{2}$ oz. 40 cts.; oz. 75 cts.;  $\frac{1}{4}$ lb. \$2.

**Strawberry (Winter or Ground Cherry).** 85 days. The small fruits, enclosed in a husk, have a flavor like strawberries, and may be preserved like plums. The vines are always heavily loaded with fine fruits.

**The Stone.** 120 days. Very large, perfectly smooth fruits are bright scarlet, solid, meaty, with few seeds. Ship and keep well.

**Yellow Plum.** 100 days. Fruits are yellow, oval, and very smooth. Used for preserves.

## Turnips

For early crop, sow as soon as the ground can be prepared, in drills 15 inches apart, and thin the plants to stand 6 inches apart. Sow, for succession, at intervals of two weeks until the last week in July, and from that time onward until the last of August, sow for main crop. The sowings should always be made just before a rain, if possible, as the success of the crop depends in a great measure upon quick germination and rapid growth in the young plants.

*One ounce of seed will sow 250 feet of drill;  
1 to 3 pounds, an acre*

Price: Pkt. 5 cts.; oz. 15 cts.;  $\frac{1}{4}$ lb. 25 cts.;  $\frac{1}{2}$ lb. 40 cts.; lb. 65 cts.

**Budlong White Rock.** Obtained by years of selection and grows much smoother than White Rock.

©**Early Red-topped Globe.** 60 days. A large, handsome, globe-shaped Turnip; excellent for the table and extensively grown and pitted for fall and winter use. Remarkable for its heavy yield per acre.

©**Early White Egg.** 49 days. Pure white; egg-shaped; grows rapidly and is fine-grained, sweet, delicate-flavored, and solid.

©**MACOMBER.** Resembles White Rock, but much earlier. The favorite in this section.

©**Purple-Top Strap-Leaf.** 56 days. Grown largely for fall and winter crops.

## Rutabaga

*Sow 1 pound of seed per acre*

**Improved American.** 85 to 90 days. Large, firm, yellow roots which keep well, and are of good flavor. Hardy, a heavy cropper, and excellent for either table or stock. Pkt. 5 cts.; oz. 15 cts.;  $\frac{1}{4}$ lb. 25 cts.;  $\frac{1}{2}$ lb. 40 cts.; lb. 65 cts.

## Seed Disinfectants

**SEMESAN BEL.** An instantaneous dip-disinfectant for seed potatoes.

4-oz. tin, 45c.	5-lb. tin, \$6.75	100-lb. drum
1-lb. tin, \$1.50	25-lb. pail, \$31	300-lb. drum

**SEMESAN.** A general disinfectant for many vegetable and flower seeds or bulbs and certain plant-diseases.

$\frac{1}{3}$ oz. pkt. 10c.	25-lb. pail,
2-oz. tin, 35c.	\$45.50
1-lb. tin, \$2.25	100-lb. drum
5-lb. tin, 9.90	300-lb. drum

**SEMESAN JR.** A dust disinfectant for seed corn.

2-oz. pkt., 15c.	100-lb. drum, \$47.60
4-oz. tin, 30c.	5-lb. tin, \$3
1-lb. tin, 75c.	300-lb. drum, \$130.05
	25-lb. pail, \$12.75

**CERESAN.** A dust disinfectant for wheat, oats, barley, and certain other cereals.

1-lb. tin, 70c.	100-lb. drum, \$47.60
5-lb. tin, \$3	300-lb. drum, \$130.05
	25-lb. pail, \$12.75

*Prices subject to change without notice*

### NuGreen and Special Semesan

*Grass Disinfectants for Brown-Patch  
Prevention and Control*

We are the distributors of all of the DuBay Seed Disinfectants for seeds and bulbs.

## ROOTONE

PATENTS PENDING

### A HORMONE POWDER

NO SOLUTIONS — NO SOAKING

For Dusting Seeds and Soil, Rooting Cuttings  
Most Potent of All Plant Hormones

**Prices:** The \$1.00 jar contains two fluid ounces when packed. In case the powder has settled it will fluff to original volume with a light shaking. It will treat up to 3,000 cuttings.

For commercial growers, a package of one pound (16 oz. avoird.) is priced at Five Dollars, and will treat up to 30,000 cuttings.

## Auxilin

The Miracle Root-grower Now Available!

**What is AUXILIN?** AUXILIN—the miracle root-grower—is a hetero-auxin, with its active ingredient—indolebutyric acid—that actually induces strong, healthy roots to grow on cuttings from plants, shrubs, and trees.

**How is AUXILIN used?** AUXILIN comes packaged in liquid form for water dilution. No special equipment or experience needed. Simply follow directions using graduated phial furnished.

$\frac{1}{6}$ oz. (Will treat up to 600 cuttings) . . . . .	\$0 50
$\frac{1}{2}$ oz. (Will treat up to 1,800 cuttings) . . . . .	1 00
$3\frac{1}{2}$ ozs. (Will treat up to 12,000 cuttings) . . . . .	6 00
8 ozs. (Will treat up to 30,000 cuttings) . . . . .	12 00

# Select Flower Seeds

A liberal discount is given on Flower Seeds sold in Packets. It does not apply to seed sold by the ounce or pound.

FOR \$1.00—SELECT SEEDS AMOUNTING TO	\$1.25
FOR \$2.00—SELECT SEEDS AMOUNTING TO	\$2.50
FOR \$3.00—SELECT SEEDS AMOUNTING TO	\$3.75
FOR \$4.00—SELECT SEEDS AMOUNTING TO	\$5.00
FOR \$5.00—SELECT SEEDS AMOUNTING TO	\$6.50

## Abronia

Annual

**Umbellata grandiflora.** Large clusters of rose-colored flowers. 10 in. Pkt. 10 cts.

## Abutilon

Greenhouse

**Hybridum. Flowering Maple.** Fine for flowering indoors. Will bloom the first season if sown early. 3 ft. Pkt. 15 cts.

## Achillea

Perennial

**Ptarmica, The Pearl.** One of the best white perennials. Easily grown from seed and flowers the first season if sown early. 2 ft. Pkt. 15 cts.

## Aconitum

Perennial

**Napellus. Monkshood.** Helmet-shaped, blue flowers, quite pretty and striking, produced on tall racemes above finely cut foliage. Blooms from midsummer to late autumn. 4 ft. Pkt. 10 cts.

## Acroclinium

Annual

**Roseum. Everlasting.** A very pretty Everlasting, blooming from late summer until frost.

**Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$ oz. 30 cts.

**Large-flowered Double Hybrids.** The flowers of this new Acroclinium are larger, more double and the colors are better than the old type.

**Mixed Colors.** Pkt. 10 cts.

## Adonis • Pheasant's Eye

**Autumnalis.** Annual. A free-blooming annual with large, brilliant flowers and feathery foliage. Early spring flowering. 2 ft. Pkt. 10 cts.

**Vernalis.** Perennial. A bright, early spring flower with large, showy blossoms of sunshiny yellow. 1½ ft. Pkt. 10 cts.

## Ageratum

Annual

Annual or Tender Perennial. One of the finest dwarf bedding plants, being covered with blooms from early summer until frost.

**Blue Perfection.** Flowers dark blue. Plant is very dwarf. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 25 cts.

**Dwarf Blue Ball.** Clear blue type. Very showy in borders. 6 in. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 40 cts.

**Imperial Dwarf White.** One of the best for borders. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 25 cts.

**Fairy Pink.** Dwarf, compact plants, barely 5 inches tall, covered with salmon-rose-pink flowers. Splendid edging plant. Pkt. 15 cts.

## Agrostemma

**Cœli-rosa. Rose-of-Heaven.** Annual. Exceedingly pretty rose-colored flowers. Pkt. 10 cts.

**Coronaria. Mullein Pink.** Perennial. Single pink flowers and silvery foliage. Pkt. 10 cts.

## Alyssum

A great favorite for bouquets and house-culture, as well as for baskets and border edgings.

**Little Gem. Carpet-of-Snow.** Annual. The finest and most popular dwarf edging plant. 4 in. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 20 cts.; oz. 60 cts.

**Lilac Queen.** Annual. Very pretty lilac flowers of dwarf habit. 10 in. Pkt. 10 cts.

**Maritimum.** *Sweet Alyssum.* Annual. White, trailing plant very useful in beds or borders. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 20 cts.; oz. 40 cts.

**Maritimum procumbens.** Annual. A fine variety for rockeries, its trailing habit making it a fine plant where a quick ground-cover is wanted. White. Pkt. 10 cts.

**Saxatile compactum.** *Basket-of-Gold.* Perennial. Beautiful clusters of golden yellow flowers. Early spring bloomer. Fine for rock-gardens. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 50 cts.

## Amaranthus

Annual

**Sunrise.** One of the most brilliant-foliaged annuals. Foliage is bronzy crimson, tufted with bright scarlet leaves. Pkt. 10 cts.

**Tricolor. Joseph's Coat.** Mosaic-colored leaves. Pkt. 10 cts.

## Ampelopsis

Perennial Climber

**Veitchi. Japan or Boston Ivy.** A beautiful vine for covering walls and buildings, to which it adheres closely. The leaves color beautifully in the autumn. Pkt. 10 cts.

## Anchusa

Perennial

**Italica, Dropmore.** Gentian-blue flowers which are unexcelled for cutting. Pkt. 10 cts.

## Anemone

Perennial

**Coronaria, St. Brigid.** Tender Perennial Bulb. Very pleasing, with a wonderful array of colors. **Mixed,** pkt. 10 cts.

## Anthemis

Perennial

**Tinctoria Kelwayi. Hardy Marguerite.** Daisy-like, golden yellow flowers all summer. Pkt. 10 cts.

## Aquilegia Chrysantha • Columbine

Perennial

Very handsome and free-blooming plants, bearing curiously shaped flowers in many bright and delicate colors.

**Grandiflora alba.** White.

**Grandiflora alpina.** Blue.

**Grandiflora sulphurea.** Sulphur-yellow.

**Double Varieties Mixed.**

**Single Varieties Mixed.**

Any of above, pkt. 10 cts.

## Antirrhinum • Snapdragon

Tender Perennial

Blooms first year if sown early

### LARGE-FLOWERING TALL VARIETIES

A valuable addition to any garden, as their season of bloom is extended into the late fall when most varieties have passed from the garden.

**Apple Blossom.** Pink, white throat.

**Canary Bird.** Delicate yellow.

**Cerberus.** Dark purple, with white.

**Maralda.** Coppery carmine.

**Old Gold.** Golden orange.

**Rose.** Pure rose.

**Snowflake.** Lovely pure white.

Any of the above named varieties, pkt. 10 cts.

### TALL MIXED.

Pkt. 10 cts.

### SEMI-DWARF VARIETY.

This is one of the showiest plants for mass bedding and cutting.

Mixed, pkt. 10 cts.

### TOM THUMB.

The true dwarf variety. Valuable for edgings and a free bloomer.

Mixed, pkt. 10 cts.

### SPECIAL FORCING VARIETIES FOR GREENHOUSE CULTURE

**Afterglow.** Golden bronze.

**Ceylon Court.** Canary-yellow.

**Cheviot Maid Supreme.** Early. Bright pink.

**Rose Queen.** (Witterstetter.) Dark pink.

**Suntan.** Orange-bronze.

**White Rock.** Pure white.

Any of above Forcing Varieties,  
Trade pkt. 50 cts.;  $\frac{1}{8}$ oz. \$1

## Arabis

Perennial

**Alpina.** Mountain Rock-Cress. Pure white flowers borne on erect stems. Blooms very early. 9 in. Pkt. 10 cts.

## Arctotis

Annual

**Grandis.** African Daisy. The large, daisy-like blooms are pure white on the upper surface, with the reverse of the petals lilac-blue. 2 ft. Pkt. 10 cts.

## Aristolochia

Perennial Climber

Curious, pipe-shaped flowers and heart-shaped leaves. Fine for shading verandas.

**Elegans.** Calico Flower. Purple and white. 30 ft. Pkt. 10 cts.

**Sipho.** Dutchman's Pipe. Yellowish brown flowers. 30 ft. Pkt. 10 cts.

## Armeria

Perennial

**Formosa hybrida.** Sea Pink; Thrift. Fine for edging or for rock-gardens. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 50 cts.

## Asparagus

Greenhouse

A greenhouse plant grown for its delicate, fine foliage.

**Plumosus nanus.** Asparagus Fern. Pkt. 10 cts.

**Sprengerii.** Emerald Feather. Pkt. 10 cts.

## Asperula

**Azurea-setosa.** Annual. Blue, fragrant flowers. 1 ft. Pkt. 10 cts.

**Odorata.** Sweet Woodruff. Perennial. Thrives in shaded places. Flowers are white and sweet-scented. 1 ft. Pkt. 10 cts.

## Asters

Annual

### The Queen of the Annuals

The Aster is the most popular fall flower grown, and justly so because of its easy culture, season of bloom, and lasting qualities, both in the garden and as a cut-flower. To succeed with Asters, sow the seed in flats in the house or hotbed in March, transplant the seedlings, 2 inches apart, in boxes, when they are large enough to handle, and move to permanent beds in May. Set the plants of early varieties 10 inches apart, and of later varieties 18 inches apart. The richer the ground the better your flowers will be, and water is very necessary.

**GIANT CALIFORNIA SUNSHINE.** The half-double flowers, from 4 to 6 inches in diameter, exhibit the grace and beauty of the single Aster, enhanced by a golden yellow cushion center of tiny quills, contrasting with the outer petals. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$ oz. 75 cts.

**IMPROVED GIANTS OF CALIFORNIA.** In this splendid cut-flower strain, the earliness and the beautiful fluffy Comet type of flower of the Crego Asters is combined with the giant size and vigor of the American Beauties. The flowers are full-centered and substantial, averaging 5 to 6 inches across, and produced on stout stems 1½ to 2 feet long without disbudding. 3 to 3½ ft. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$ oz. 75 cts.

The following varieties are of the New Wilt-Resistant Strains

**CREGO GIANTS.** Large, perfectly shaped flowers with long petals, wavy and twisted, suggestive of a Japanese chrysanthemum. Flowers average from 3 to 4 inches across. 1½ to 2 ft. **White, Light Blue, Rose, Dark Violet, Scarlet, and Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$ oz. 50 cts.

**HEART OF FRANCE.** A pure red Aster. This beautiful variety opens as red as the purest ruby, deepens with age, and retains its remarkable color to the very end. 1½ to 2 ft. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 60 cts.

**QUEEN OF THE MARKET.** A very early variety, producing an abundant supply of beautifully colored flowers early in July. 1 ft. **White, Crimson, Rose, Dark Blue, and Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$ oz. 50 cts.

**GIANT BRANCHING.** Plant of branching habit, producing from 10 to 20 large, perfect flowers. **White, Rose, Violet-Lavender, Scarlet, and Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$ oz. 40 cts.

**PERENNIAL ASTERS.** Michaelmas Daisies. Large-flowering varieties. **Mixed Colors.** Pkt. 10 cts.

## Balloon Vine

Annual

Rapid-growing annual vine with white flowers and seed-pods shaped like miniature balloons. 10 ft. Pkt. 10 cts.

## Balsam • Lady-Slipper

Annual

Brilliant masses of beautiful flowers for little care. Transplanting dwarfs the plants and makes the flowers more double. 2 ft.

**Double Rose-flowered, Mixed.** Fine. Pkt. 10 cts.; oz. 60 cts.

**Improved Camellia-flowered, Mixed.** Fine. Pkt. 10 cts.; oz. 60 cts.

## Bartonia

**Aurea.** Orange-yellow flowers all summer on 2-foot plants with gray thistle-like foliage. Pkt. 10 cts.

**Beans, Runner** Annual Climber  
**Scarlet or White.** Pkt. 10 cts.

**Bellis Perennis** Biennial  
**Double English Daisy**

This dainty little flower is a favorite everywhere. It is of easy culture, and grows well in a moist, shaded situation. Sow seed early in the spring indoors or in a hotbed, and it will flower early in the summer. Useful as a border plant as it seldom grows to 6 inches in height.

**Mammoth Double, Mixed Colors.**

**Longfellow.** Rose; double.

**Snowball.** Pure white; double.

Each: Pkt. 10 cts.;  $\frac{1}{8}$ oz. 50 cts.

**Bocconia** Perennial

**Japonica.** *Plume Poppy.* Fine specimen plants for groups on lawns. Foliage green. Bears flower-spikes about 2 feet long of chamois-colored flowers. Pkt. 10 cts.

**Boltonia** Perennial

**Asteroides.** *False Chamomile.* Excellent perennial plants for backgrounds, growing 4 to 6 feet high. Daisy-like flowers. **Lilac-Pink, White, and Mixed Colors.** Pkt. 10 cts.

**Brachycome** Rock-Garden Annual

**Iberidifolia.** *Swan River Daisy.* Dainty, daisy-flowered annuals, suitable for borders or rock-gardens. **Mixed Colors.** Pkt. 10 cts.

**Browallia** Annual

**Elatia.** Blue and white flowers all summer. Pkt. 10 cts.

**Cactus** Greenhouse Perennial

**Mixed Varieties.** Contains different varieties which can be raised from seed. Should be sown indoors. Pkt. 10 cts.

**Calendula • Pot Marigold** Annual

An extremely popular annual which is very easy to grow in the garden. Also grown extensively as a commercial cut-flower.

**Campfire (Sensation).** Orange and yellow. A fine forcing variety. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 50 cts.

**Ball's Gold.** Golden yellow; double. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 50 cts.

**Ball's Orange.** Double; orange-colored. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 40 cts.

**Orange King.** Pkt. 10 cts.;  $\frac{1}{4}$ oz. 25 cts.

**Radio.** Quilled petals; orange. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 50 cts.

**Calliopsis • Bright Eyes** Annual

Annual plants of graceful habit and easy culture that flower profusely throughout the season. Popular for cutting.

**Drummondii.** *Golden Wave.* Bright yellow flowers with a rich velvety brown eye. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 25 cts.

**Tinctoria.** Double yellow flowers with maroon spots. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 25 cts.

**Mixed Colors.** Pkt. 10 cts.

## New Annual Canterbury Bells

Annual

*Bring Spring to the Garden in September*

One of the finest novelties that has been introduced in recent years. Seed sown in February will bloom in July. Plants grow 2 to 2½ feet high and each has 6 to 8 spikes of blooms. **Mixed Colors.** Pkt. 10 cts.

## Campanula • Canterbury Bells

**Medium.** *Canterbury Bell.* Biennial. Produces large, nodding, single, bell-shaped flowers in many beautiful shades. **Dark Blue, Rose, White, Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$ oz. 50 cts.

**Double, Mixed Colors.** Pkt. 10 cts.

**Medium calycanthema.** *Cup-and-Saucer.* Biennial. Handsome flowers in many tints of blue, rose, and white.

**Single, Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{8}$ oz. 40 cts.

**Persicifolia.** *Peach Bells.* Perennial. One of the finest hardy Bellflowers. Blue or white flowers. **Mixed Colors.** Pkt. 10 cts.

## Canary-Bird Vine Annual Climber (*Tropaeolum canariense*)

Beautiful, rapid-growing annual climber with charming little canary-yellow blossoms bearing a fancied resemblance to a bird with its wings half expanded. Pkt. 10 cts.;  $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.

## Candytuft • Iberis

Plants of branching habit bearing spikes of flowers. Very showy for borders. One of the best cut-flowers for bouquets.

**Finest Mixed.** Annual. 1 ft. Pkt. 10 cts.; oz. 40 cts.

**Giant Empress.** Annual. White; extra large. Fine for forcing. 2 ft. Pkt. 10 cts.;  $\frac{1}{2}$ oz. 25c.

**Little Prince.** Annual. Very dwarf, forming a low, dense mass of green against which the large clusters of white flowers are very effective. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 40 cts.

**Sempervirens.** Perennial. White. Fine for rock-gardens. Blooms in May. 9 in. Pkt. 10c.

## Carnations Annual

**Chabaud's Giant Outdoor Strain.** Seed may be sown outside in April, when cold weather has gone, or for early bloom, sow early in a frame, greenhouse, or sunny window. Plant out the seedlings 6 inches apart. **Mixed Colors.** Pkt. 10 cts.

### Choice Forcing Carnations Greenhouse

**Early-flowering Vienna.** **Mixed Colors.** Pkt. 25 cts.

**Early Grenadin.** Scarlet. Pkt. 25 cts.

**Double Perpetual.** Produces 75 per cent double flowers. **Mixed Colors.** Pkt. 25 cts.

### Margaret Carnations Annual

This annual form of the hardy Carnation blooms four months from seed. Plants vigorous, semi-dwarf, and neat, and if sown under glass, in March or April, begin blooming in early summer and yield a brilliant display of flowers until frost. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{8}$ oz. 40 cts.

## Centaurea · Bachelor's Button

Annual

**Cyanus.** *Blue Bottle; Cornflower; Ragged Sailor.* One of the most popular of our garden flowers, blooming continually all summer.  
**Jubilee Gem.** *New.* Dwarf, only 1 foot, covered with double, vivid blue flowers. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 60 cts.  
**Double, Deep Blue.** Pkt. 10 cts.;  $\frac{1}{4}$  oz. 25 cts.  
**Double, Rose-Pink.** Pkt. 10 cts.;  $\frac{1}{4}$  oz. 25 cts.  
**Imperialis.** *Giant Cornflower.* Immense, very fragrant flowers in a great variety of colors. 2 ft. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$  oz. 25 cts.  
**Moschata.** *Sweet Sultan.* Very showy, fragrant flowers, excellent for cutting. 2 ft. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$  oz. 30 cts.

## Celosia · Cockscomb

Annual  
For beds, borders, pot-culture, and winter bouquets

Free-blooming annuals growing best in rather light soil. Can be started early inside or may be planted outside in May.  
**Cristata, Glasgow Prize.** Immense, showy dark crimson combs. 1 ft. Pkt. 10 cts.  
**Pyramidalis plumosa Childsi.** *Chinese Wool-flower.* Crimson. 2 ft. Pkt. 10 cts.  
**Pyramidalis plumosa, Golden Yellow.** 2 ft. Pkt. 10 cts.  
**Pyramidalis plumosa, Scarlet.** 2 ft. Pkt. 10 cts.  
**Pyramidalis plumosa magnifica.** **Mixed Colors.** 2 ft. Pkt. 10 cts.

## Centrosema

Perennial Climber

**Grandiflora.** Clusters of large, pea-shaped, rosy violet flowers, with broad, feathered markings of white. A hardy, free-blooming vine, climbing 6 to 8 feet in a season. Pkt. 10 cts.

## Cerastium · Snow-in-Summer

Perennial

**Tomentosum.** Gray-foliaged, trailing plants with masses of delicate white flowers in May and June. Delights in a dry, sunny location. 6 in. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 50 cts.

## Chinese Lantern Plant · Physalis

Perennial

**Francheti.** Dense bushes, 2 feet high, with bright orange-scarlet, lantern-like fruits of decorative value. Flowers first year from seed if sown in April. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 40 cts.

## Chrysanthemum

Annual

**Coronarium fl.-pl.** Summer-blooming. The majority of the flowers are very double and bronzy yellow, tinged with red or rose, but some will be pure white or crimson, and of graceful, semi-double form. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$  oz. 25 cts.

## Cineraria

Greenhouse

**Hybrida grandiflora.** A distinct and showy window-plant that blooms when its brilliant velvety flowers are most appreciated. **Mixed Colors.** Pkt. 25 cts.

## Clarkia

Annual

**Elegans.** Early. Double flowers of bright rose, purple, or white, in long sprays for cutting. **Single and Double.** Pkt. 10 cts.;  $\frac{1}{4}$  oz. 30 cts.

## Clematis · Virgin's Bower

Perennial Climber

**Hybrida grandiflora.** Fine for arbors and verandas. Soak seeds 24 hours in warm water before sowing. **Mixed Colors.** Pkt. 10 cts.

## Cleome · Spider Plant

Annual

**Gigantea.** Beautiful carmine flowers of unusual form, with long, slender threads running out from the center. Sow in the open ground as soon as it can be worked. Blooms midsummer until frost. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 25 cts.

## Cobaea

Annual Climber

**Scandens.** A tender annual of very rapid and luxuriant climbing habit. The deep violet-blue flowers are large and bell-shaped, averaging 2 inches in length and 1½ inches across. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 40 cts.

## Coleus

Greenhouse

The leaves are of many shapes and bright colors, and nearly all varieties have a rich, velvety appearance. Seed sown in March or April will produce fine plants for bedding. **Mixed Colors.** Pkt. 10 cts.

## Coreopsis · Tickseed

Perennial

**Grandiflora.** Very large, golden yellow flowers on long stems. Pkt. 10 cts.

**Grandiflora fl.-pl.** Same as above, only double. Pkt. 10 cts.

## Cosmos

Annual

One of the most popular annual garden flowers, and, since the advent of the early-flowering strain, can be had in profusion throughout the entire summer and autumn.

**ORANGE FLARE.** A wholly distinct new flower unexcelled for garden decoration and cutting. The deep, burning orange-yellow flowers are shaped and carried like Cosmos, but the foliage is different, and the plants break into bloom within a few weeks from sowing the seed. Pkt. 10 cts.

**Large-flowering Pink.** Very handsome and useful for cut-flowers. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 25 cts.

**Extra-Early Double Crested.** This specially fine new variety is of dwarf growth, fully double, compact, anemone-like center. **Finest Mixed.** Pkt. 10 cts.

**Late Double Crested.** This improved double variety blooms in late summer. 6 ft. Pkt. 10 cts.

**Early-flowering, Finest Mixed.** Seed, if sown in March and April, will flower during July. 4 ft. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 25 cts.

**Late-flowering, Grand Mixture.** Pkt. 10 cts.;  $\frac{1}{8}$  oz. 20 cts.

**SENSATION.** *New.* Extra early, with flowers 4 inches across, in both white and pink shades. Each shade, pkt. 10 cts.

## Cyclamen

Greenhouse

**Giganteum.** The choicest strain of this flower obtainable. **Mixed Colors.** Pkt. 25 cts.

## Cynoglossum

Annual

**Amabile.** *Chinese Forget-Me-Not.* Strong plants, about 18 inches high, with sprays of fragrant, bright blue, forget-me-not-like flowers all summer. Pkt. 10 cts.

## Dahlia

Annual

**Mignon, Coltness Hybrids.** In three months from seed the dwarf, compact plants hold a wealth of single Dahlias, held erect on stiff stems above the foliage, in deep crimson, pink, and rose, mauve, scarlet, purple, yellow, and white. The plants, 2 feet high, are suited to bedding. Pkt. 10 cts.;  $\frac{1}{8}$ oz. 50 cts.

## Shasta Daisy

Perennial

The flowers are very large—a foot or more in circumference—growing on long stems, with two rows of broad, pure white petals and a yellow center. Pkt. 10 cts.

## Delphinium • Larkspur

Perennial

Indispensable to the hardy garden, because of their long, graceful blue spikes.

**Blackmore & Langdon Strain.** Finest race of mixed hybrids. All wonderful blue shades. **Mixed.** Pkt. 10 cts.

**NEW PACIFICA GIANT.** Immense flowers which do not shatter. Blue or white. Pkt. 25c.

**Hollyhock Strain.** Enormous spikes of large flowers; mauve. The most precious of all varieties. **Mixed.** Pkt. 10 cts.;  $\frac{1}{8}$ oz. 90 cts.

## Dianthus

### Brilliant and Popular Garden Pinks

Gay, spicily fragrant flowers, well loved and grown everywhere in almost any soil. Varieties named below bloom the first year from seed.

**Sinensis fl.-pl.** *Double Chinese or Indian Pink.* Annual. Large and double, in all rich colors. **Fine Mixed.** Pkt. 10 cts.

**Hedewigii grandiflora fl.-pl.** *Crown of Perfection.* Annual. Very double flowers of immense size, produced in greatest profusion. **Fine Mixed.** Pkt. 10 cts.;  $\frac{1}{8}$ oz. 50 cts.

**Hedewigii diadematus fl.-pl.** *Double Japanese or Diadem Pink.* Annual. Flowers large, fine, and very double, ranging through all colors. **Finest Mixed.** Pkt. 10 cts.;  $\frac{1}{8}$ oz. 40 cts.

**Barbatus.** *Sweet William.* Biennial. Attractive, profuse-blooming garden plants. The flowers have a quaint perfume. Seed from fine flowers of many colors. **Single or Double, Mixed.** Pkt. 10 cts.

**Plumarius.** *Double Pheasant's Eye Pink.* Perennial. Double, fragrant, fringed flowers of white, crimson, or purple. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{8}$ oz. 60 cts.

## Dictamnus

Perennial

**Albus (fraxinella).** *Gas-Plant.* Showy hardy border perennial, about 2½ feet high, with fragrant foliage and spikes of curious flowers during June and July. Pkt. 10 cts.

## Didiscus

Annual

**Cærulea.** *Blue Lace Flower.* Exquisite pale lavender blooms from July to October. Fine for cutting. 1½ ft. Pkt. 10 cts.

## Digitalis • Foxglove

Biennial

Three to 4 feet high. Its fine waxen flowers droop gracefully from long spikes.

**White, Pink, Purple, and Mixed.** Each, pkt. 10 cts.

**Lutzi.** Salmon. Pkt. 10 cts.

## Dimorphotheca

Annual

**Aurantiaca.** *African Golden Daisy.* One of the showiest garden plants. Compact and bushy with orange-gold, daisy-like blooms on long stems. Pkt. 10 cts.

**Aurantiaca, New Hybrids Mixed.** Pkt. 10 cts.

## Dolichos

Annual Climber

**Lablab.** *Hyacinth Bean.* Noted for its large clusters of snowy white or purple flowers. It grows rapidly and makes a fine screen of thick foliage. Pkt. 10 cts.; oz. 30 cts.

## Echinocystis

Annual Climber

**Lobata.** *Wild Cucumber Vine.* Quick-growing annual vine. Fine for covering waste places and stone walls. Pkt. 10 cts.

## Eschscholtzia

Annual

**Californica.** *California Poppy.* Brilliantly colored, poppy-like flowers, shining with a silken luster in the sunshine. A bed of them is fairly dazzling, with its rich hues of orange, pure yellow, scarlet, creamy white, crimson, and carmine.

**Single, Carmine King (crimson), Golden West (lemon), Mandarin (orange), Mixed.** Pkt. 10 cts.

**Double, Mixed.** Pkt. 10 cts.;  $\frac{1}{8}$ oz. 25 cts.

## Euphorbia

Annual

**Variegata.** *Snow-on-the-Mountain.* Of robust growth, with fine green leaves, striped with white. Pkt. 10 cts.

## Gaillardia • Blanket Flower

Showy bedding plants, averaging about 2 feet in height, and covered with flowers from mid-summer until frost.

**Aristata (grandiflora).** Splendid perennial variety, with large, handsome flowers, having dark crimson centers marked with rings of many brilliant colors. Pkt. 10 cts.

**Pulchella picta Lorenziana.** Annual. Double flowers in many bright colors. Pkt. 10 cts.

## Geum • Avens

Perennial

Fine for border edging, rock-garden, and cutting. Blooms from June to September and flowers the first year from seed sown outdoors in early spring. 2 ft.

**Mrs. Bradshaw.** Dark orange-scarlet flowers like a double violet, borne 2 feet above a rosette of leaves. Pkt. 10 cts.

Annual

## Globe Amaranth • Gomphrena

Everlasting Flower. The pink, white, and purple flowers resemble clover-heads and can be dried and used in winter bouquets. 2 ft. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{8}$ oz. 25 cts.

## Godetia • Satin Flower

Annual

**Mixed.** The plants bear showy flowers, not unlike an azalea, of satiny texture, in many rich and varied colors. They do best in a rather poor soil. 1 ft. Pkt. 10 cts.;  $\frac{1}{8}$ oz. 25 cts.

## Ornamental Gourds

Annual Climber

Rapid-growing, interesting annual climbers, with ornamental foliage and singularly shaped fruit. 15 to 20 ft. Pkt. 10 cts.; oz. 50 cts.

## Gynerium

Perennial

**Argentea.** *Pampas Grass.* The silvery plumes are very light and graceful in effect, and are much used for all sorts of indoor decoration. Grows from 6 to 8 feet high. Requires winter protection. Pkt. 10 cts.;  $\frac{1}{8}$ oz. 40 cts.

## Gypsophila • Baby's Breath

A beautiful plant with pretty little white clusters of blossoms. Fine for mixing in bouquets.

**Carminea.** Annual. Beautiful shade of rose-pink. Pkt. 10 cts.; oz. 25 cts.

**Elegans grandiflora.** Annual. Delicate sprays of pure white flowers. Pkt. 10 cts.; oz. 25 cts.

**Paniculata.** Perennial. A dainty, mist-like plant, with sprays of small, white, star-shaped flowers and delicate foliage. Pkt. 10 cts.

**Repens.** Perennial. An elegant, hardy, trailing plant for the rock-garden, with small white flowers in July and August. Pkt. 10 cts.

## Helianthus • Sunflower Annual

The annual tall-growing sorts are fine for background along fences and walls or large borders; small varieties, for cutting.

**Californicus fl.-pl.** Double; deep yellow. 5 ft. Pkt. 10 cts.;  $\frac{1}{2}$ oz. 25 cts.

**Globosus fistulosus.** Globe-shaped; yellow. 6 ft. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 20 cts.

**Nanus variegatus.** Dwarf; handsome variegated foliage. 4 ft. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 20 cts.

## Annual Helichrysum • Straw Flower

**Monstrosum fl.-pl.** One of the best of "Everlastings." Exceedingly effective double flowers in rich glittering colors, making a fine display in beds or borders, but especially grown to dry and use in baskets and vases through the winter. 2½ ft. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$ oz. 25 cts.; oz. 75 cts.

## Heliotrope Annual

**Finest Mixed.** Excellent annual for bedding. Very fragrant flowers, fine for cutting. Grows well in the house. 2 ft. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 75c.

## Hesperis Perennial

**Matronalis.** *Sweet Rocket.* Fragrant purple flowers in spring. 3 ft. Pkt. 10 cts.

## Heuchera Perennial

**Sanguinea.** *Coral Bells.* Spikes of vivid crimson flowers. Excellent for cutting. 1 ft. Pkt. 10 cts.

## Hibiscus Annual

**Trionum (africanus).** Showy and effective. The large cream-colored flowers have a rich, dark brown center. The plants grow about 2 feet tall. Pkt. 10 cts.

## Hibiscus • Mallow Perennial

Strong, bushy perennial plants with large flowers, like single hollyhocks, late in summer. Like a moist situation and last for years when once established. Sow indoors in March in pots.

**Moscheutos, Crimson Eye.** Large, pure white flowers with velvety crimson centers. 4 ft. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 50 cts.

## Hollyhocks

Perennial

**Chater's Superb Strain.** This stately, handsome, old-fashioned plant has been greatly improved of late years, and its tall spikes of double silken flowers are magnificent when grown either in clumps or lines. **Pure White, Scarlet, Golden Yellow, Peach, Pink, Newport Pink, and Mixed.** Each, pkt. 10 cts.;  $\frac{1}{8}$ oz. 30 cts. The 6 varieties for 50 cts.

## Annual Hollyhock • Althaea rosea

**Hybrida semperflorens.** Plant early inside and transplant outside in May. **Double Mixed.** Pkt. 10 cts.

Annual Climber

## Humulus • Japanese Hop

Annual climbers of very rapid growth, with dense foliage. The leaves remain bright, fresh, and rich-looking until late in the fall.

**Japonicus variegatus.** Leaves broadly edged with cream-color and marked and shaded with silvery white and deep green; often a whole branch and its leaves will be pure white. It is very vigorous and hardy. Pkt. 10 cts.

## Hunnemannia Annual

**Fumariæfolia.** *Tulip-Poppy.* Large yellow flowers from July to end of season. Pkt. 10 cts.

## Impatiens Greenhouse

**Sultani Hybrids.** Perennial Greenhouse or House-plant. Grows 2 feet tall, bearing continuously brilliant pale pink to dark crimson blossoms 1½ inches across. A rare house-plant. Sow outdoors in April. **Mixed Colors.** Pkt. 25 cts.

## Ipomoea Annual Climber

These popular annual climbers are so widely grown that they do not require any further introduction.

**Grandiflora.** *Moonflower.* Has large, quite fragrant, pure white flowers that open at night and are produced in great abundance. Pkt. 10 cts.; oz. 50 cts.

**Heavenly Blue.** Foliage very large and heart-shaped. Flowers 4 to 5 inches across, light blue, with yellow throats, borne in large clusters. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 30 cts.

**Imperialis.** *Japanese Morning-Glory.* A great improvement over the old-fashioned sorts. Flowers are larger, fringed, some double, and appear in unlimited variety of colors. Foliage is very large and often variegated. 10 ft. Pkt. 10 cts.; oz. 40 cts.

**Quamoclit.** *Cypress Vine.* Delicately cut foliage and small, star-shaped flowers of scarlet or white. **Mixed Colors.** Pkt. 10 cts.; oz. 60 cts.

**Quamoclit hybrida.** *Cardinal Climber.* Crimson flowers, 2 inches long, with white throats. Pkt. 10 cts.; oz. 75 cts.

## Kochia Annual

**Trichophylla.** *Summer Cypress; Mexican Fire-bush.* Pretty little bushes of pyramidal shape, with delicate green foliage, and completely covered with little, brilliant scarlet flowers. Excellent for hedges along walks in gardens. 3 ft. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 25 cts.

### Lantana Annual Greenhouse

**Dwarf Bedding Hybrids.** Excellent half-hardy greenhouse or bedding plants, constantly in bloom, bearing miniature, verbena-like heads of orange, white, and rose. Start seed indoors early. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 30 cts.

### Larkspur • Delphinium Annual

Rocket Larkspurs are very showy and produce their bright-colored spikes of flowers the first season if sown early. For other Larkspurs, see Delphinium.

**Dwarf Double Rocket. Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$  oz. 20 cts.

**Giant Imperial.** These look almost like delphiniums because of their large size. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$  oz. 40 cts.

### Lathyrus Perennial Climber

**Latifolius. Everlasting Pea.** Hardy perennial climber, growing 6 to 8 feet high when trained on a trellis. Flowers borne in large clusters. Red and White. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$  oz. 25 cts.

### Lavatera • Annual Mallow Annual

**Splendens, Sunset.** A very beautiful and showy annual, 3 to 4 feet high, with large blossoms of satiny rosy carmine. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 25 cts.

### Lavandula Perennial

**Vera. Lavender.** Grown for its leaves and flowers, which retain their fragrance when cut and dried. Pkt. 10 cts.

### Leptosiphon Annual

**Hybridus.** A fine rock-plant, 3 inches high, forming dense cushions studded with dainty flowers ranging in color from yellow to rose-scarlet. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$  oz. 40 cts.

### Liatris • Blazing Star Perennial

Showy flowers in long spikes. Very effective among other perennials or shrubs. Foliage grass-like. 1 to  $1\frac{1}{2}$  ft.

**Spicata.** Purple-rose. Pkt. 10 cts.

### Linum

**Grandiflorum rubrum. Scarlet Flax.** Annual. An easily grown plant with fine stems and foliage and producing a profusion of beautiful bright scarlet blooms. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 20 c.

**Perenne.** Perennial. Bright blue flowers. Hardy. 2 ft. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 30 cts.

### Lobelia Perennial

**Cardinalis. Cardinal Flower.** Long spikes of intense scarlet flowers. One of the most brilliant plants. Pkt. 10 cts.

### Lobelia Erinus Annual

The Erinus forms of Lobelia are quite showy and free-blooming and the dwarf sorts are used for edgings, vases, etc.; other sorts for beds. All are of easy culture.

**Compacta alba.** Pure white. Pkt. 10 cts.

**Compacta, Crystal Palace.** Dark blue. Pkt. 10 cts.

**Speciosa superba.** Dark blue, with white eye. Trailing. Pkt. 10 cts.

### Lunaria Biennial

**Annua (biennis). Honesty.** A hardy biennial that must be sown in autumn or early spring in order to bloom the first year. Double purple flowers Pkt. 10 cts.

### Lupinus • Lupine

**Perennis. Sun-Dial.** Annual. A very effective plant in mixed borders and grows about 2 feet tall. The seed should be sown where the plants are to stand. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$  oz. 25 cts.

**Polyphyllus, New Hybrids.** Perennial. A wonderful mixture. Pkt. 10 cts.

### Lychnis • Jerusalem Cross Perennial

**Haageana hybrida.** Handsome perennial plants of easy culture for massing in beds or borders. Will bloom first year if sown early. 1 $\frac{1}{2}$  ft. **Mixed Colors.** Pkt. 10 cts.

### Marigold Annual

#### DOUBLE FRENCH AND AFRICAN

Showy annual plants for midsummer and autumn bloom, growing 1 to 2 feet tall; free flowering and easy to grow.

**Chrysanthemum-flowered.** Beautifully incurved flowers of nice size for cutting. Tall growth. A real Marigold advance. **Orange, Golden Orange, Yellow, and Mixed.** Each, pkt. 15 cts.

**Eldorado.** Finest of the double African Marigolds. Flowers from 3 to 4 inches across, very double, of bright golden orange and primrose shades. **Mixed Colors.** Pkt. 10c.;  $\frac{1}{4}$  oz. 40c.

**Gigantea, Sunset Giants.** New. Largest Marigold yet developed. **Mixed Shades.** Pkt. 15 cts.

**Guinea Gold.** A new type with broad, wavy petals of bright yellow flushed with orange-gold. 2 $\frac{1}{2}$  ft. Pkt. 10 cts.

**Harmony.** A dwarf, double French Marigold with rich-looking flowers of golden yellow bordered maroon-red. A grand cut-flower. Pkt. 10 cts.

**Legion of Honor.** Dwarf; single; yellow. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 40 cts.

**Yellow Supreme.** The finest of the tall yellow varieties. Pkt. 10 cts.

**Tall Double French.** Flowers of various bright shades. **Mixed Colors.** Pkt. 10c.;  $\frac{1}{4}$  oz. 20c.

**Dwarf Double French.** Plants low and compact. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$  oz. 20c.

**Single Marigold (*Tagetes signata pumila*).** Fine bedding plants. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 40 cts.

### Mesembryanthemum Annual

**Crystallinum. Ice-Plant.** Glistening, waxen leaves and stems covered with a shining granular coat. Flowers quite pretty and of various colors. Plant trailing, about 6 inches high. Well adapted for baskets, vases, borders, etc. **Mixed Colors.** Pkt. 10 cts.

### Mignonette Annual

The matchless perfume of this modest flower renders it one of the most popular annuals grown.

**Large-flowering.** The old, well-known Mignonette, still as sweet as any. Pkt. 10 cts.; oz. 40 cts.

**Machet.** The best variety for pots. Dwarf, free blooming. Bright reddish maroon. Very sweet. Pkt. 10 cts.; oz. 40 cts.

## Mimosa

Annual

**Pudica.** *Sensitive or Humble Plant.* Curious and interesting plants with pinkish white flowers. The leaves close and droop when touched or shaken. 1½ ft. Pkt. 10 cts.; ¼oz. 25 cts.

## Mimulus • Monkey Flower

Annual

Annual plants with showy and oddly marked flowers having a ground-color white or yellow, flaked and spotted with maroon, scarlet, or crimson. Plants dwarf, compact, and bloom continuously.

**Moschatus.** The well-known Musk Plant with strongly scented yellow flowers. Pkt. 10 cts.

## Mirabilis

Annual

**Jalapa.** *Four-o'Clock.* Old favorites, with sweet-scented flowers of many different colors. They open in the afternoon and wither in the morning. **Mixed Colors.** Pkt. 10 cts.; oz. 25 cts.

## Morning-Glory

Annual

**Heavenly Blue.** An early-blooming type with masses of mammoth sky-blue flowers. Does best in dry, sandy soil. Pkt. 10 cts.

## Myosotis • Forget-Me-Not

**Palustris.** *True Forget-Me-Not.* Perennial. Flowers bright blue, with a large golden yellow eye. Pkt. 10 cts.; ¼oz. 75 cts.

**Victoria.** Biennial. A dwarf variety which forms shapely, rounded plants and is well adapted to pot-culture, although it loves the hardy garden quite as well. Sky-blue flowers with double centers, in thick clusters. Pkt. 10 cts.; ¼oz. 40 cts.

**Victoria rosea.** Biennial. A rose-colored variety of Victoria. Pkt. 10 cts.; ¼oz. 40 cts.

## Gleam Hybrid Nasturtiums

Annual

**Dwarf Golden Globe.** Double, fragrant, yellow flowers. The plant is entirely without runners. Pkt. 10 cts.; oz. 25 cts.

**Orange Gleam.** Lovely orange variety. Pkt. 10 cts.; oz. 30 cts.

**Glorious Gleam Hybrids.** Award of Merit, 1935 All-America Selections. Fragrant, long-stemmed, double flowers in marvelous shades of orange-yellow, scarlet, and crimson. Outstanding development of this lovely flower. Superb for bedding and cutting. Pkt. 10 cts.; oz. 15 cts.

**Golden Gleam.** Gold Medal, 1933 All-America Selections. The original double Nasturtium introduced several years ago. Clear yellow, deliciously fragrant flowers, greatly prized for cutting. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 40 cts.

**Scarlet Gleam.** Gold Medal, 1935 All-America Selections. Clear, blazing scarlet twin of Golden Gleam. A stunning thing. Very showy. Pkt. 10 cts.; oz. 20 cts.

**Dwarf Varieties, Mixed.** Oz. 10 cts.; ¼lb. 25 cts.; ½lb. 40 cts.; lb. 75 cts.

**Tall Varieties, Mixed.** Oz. 10 cts.; ¼lb. 25 cts.; ½lb. 40 cts.; lb. 75 cts.

## Nemophila

Annual

An annual of compact habit, with oddly and beautifully colored flowers of blue, purple, and white, in unusual markings and blendings. **Mixed Colors.** Pkt. 10 cts.; ¼oz. 20 cts.

## Nepeta

Perennial

**Mussini.** *Caucasian Catnip.* Blue-lavender spikes profusely borne from April to June. It is a good edging plant, with sheets of gray-green foliage. 8 in. Pkt. 10 cts.

## Nicotiana

Annual

**Affinis hybrida.** *Mixed Colors.* Pkt. 10 cts.; ¼oz. 25 cts.

**Crimson Bedder.** (New dwarf type.) Pkt. 15c.

## Nigella • Love-in-a-Mist

Annual

**Damascena.** A delicately pretty plant with light blue or white flowers, set in a mist of feathery green foliage, and bearing curious seed-pods. **Mixed Colors.** Pkt. 10 cts.; ¼oz. 20 cts.

## Enothera

Annual

**Biennis.** *Evening Primrose.* Flowers large, fragrant, showy, yellow being the predominating color, affording a fine display. **Mixed Colors.** Pkt. 10 cts.; ¼oz. 25 cts.

## Pansies

Annual

**Engelmann's Giant Mixture.** *Originator's Strain.* A very vigorous-growing strain, producing flowers 3 to 4 inches across. It contains a great variety of shades, both dark and light, and is early flowering. Pkt. 15 cts.

**Fine Mixture.** Prepared from a splendid strain of large-flowering sorts. Pkt. 10 cts.

## Pentstemon

Perennial

**Barbatus.** *Beard Tongue.* Blooms from early summer until frost. The flowers are white, blue, scarlet, crimson, yellow, etc. **Mixed Colors.** Pkt. 10 cts.

## Petunias

Annual

No annual of the garden is more lavish with its flowers, or more readily adaptable to any and every purpose than the Petunia. We now have superb show varieties, fringed, ruffled and double, mottled, striped, and self-colored.

**New Dwarf Nana Compacta.** Each plant forms a perfect ball effect from 8 to 10 inches high and about 12 inches in diameter. For use in window-boxes, borders, beds, and even suitable in the rock-garden. Pkt. 15 cts.

**FLAMING VELVET.** A gorgeous flower of rich wine-color. The plants are strong and bloom freely all season. Awarded Gold Medal, 1936 All-America Selections. Pkt. 15 cts.

**Balcony Petunias, Mixed.** Pkt. 15 cts.

**Crimson.** Pkt. 10 cts.; ¼oz. 50 cts.

**Good Mixed.** We will give an equal percentage of all choice types. Pkt. 10 cts.; ¼oz. 35 cts.

**Howard's Star.** Dark crimson, with white star in center. Pkt. 10 cts.; ¼oz. 50 cts.

**Inimitable Striped and Blotched.** Finely shaped flowers with stelliform blotches. **Mixed Colors.** Pkt. 10 cts.; ¼oz. 40 cts.

**Martha Washington.** Large, ruffled flowers of lovely blush-pink with a dark violet throat. Dwarf, compact, free-flowering plants. Pkt. 15 cts.

**Rosy Morn.** Pkt. 10 cts.; ¼oz. 50 cts.

**Topaz Rose.** A hybrid Petunia of fiery, velvety rose of a brilliancy seldom seen. Hot sun does not dim the lively color. Pkt. 15 cts.

**White.** Pkt. 10 cts.; ¼oz. 50 cts.

**VIOLACEA.** Rich velvety purple. The finest variety obtainable anywhere. Pkt. 25 cts.

### Large-flowering Fringed Petunias

A choice mixture from superb strains, combining extreme elegance of form with a great diversity of bright and delicate colors.

**California Giant Single Fringed. Mixed Colors.** Pkt. 25 cts.

**All-Double Giant.** This strain of Double Petunia produces 100 per cent double flowers. **Mixed Colors.** Pkt. 25 cts.

### Phlox Drummondi Annual

The Drummond Phloxes have every quality desirable in a fine bedding plant. With brilliancy and variety in color they combine grace and refinement of form, a free and constant blooming habit, neat, compact growth, and ease of culture.

**Nana compacta.** The dwarf Phloxes are of neat, compact habit, growing only about 8 inches high. Charming and unique. **Choice Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{8}$ oz. 40 cts.

**Gigantea, Art Shades.** *New.* Enormous flowers in soft art shades. Pkt. 15 cts.

### Phlox Decussata Perennial

Fine clumps of these plants form magnificent lawn and garden ornaments, and nearly all bright colors are represented in the large and handsome flower-heads. Pkt. 10 cts.

### Polemonium Perennial

**Cæruleum grandiflorum. Jacob's Ladder.** Popular perennial border plants, with bell-shaped, bluish purple flowers. 2 ft. Pkt. 10c.

### Poppies

The annual Poppies are quite as brilliant and effective for all purposes as the old-fashioned perennial sort. They grow freely in good soil.

#### Single Poppies Annual

**Shirley.** Daintily marked and colored flowers of light, gauzy appearance. **Mixed Colors.** Pkt. 10 cts.

**Tulip.** Grows 12 to 14 inches tall, branches freely, and bears brilliant crowns of from 50 to 60 large, vivid scarlet flowers. Begin to bloom in early June and continue until late. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 30 cts.

#### Double Poppies Annual

**Mikado.** Each blossom is a large, soft ball of finely divided petals, pure white at the base, flaming into brilliant crimson-scarlet toward the tips. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 20 cts.

**Peony-flowered.** Large, very double, shapely, brilliantly colored flowers. Free blooming and more lasting than is usual with Poppies. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$ oz. 20 cts.

### Perennial Varieties Perennial

**Iceland** (*Papaver nudicaule*). Will bloom the first year if planted early. Of graceful habit, coming in a variety of colors. **Single or Double Mixed.** Pkt. 10 cts.

**Oriental** (*P. orientale*). Large, brilliant flowers. The loose, silken petals have a blotch of black at the base. 2 ft. **Royal Scarlet.** Pkt. 10 cts.;  $\frac{1}{8}$ oz. 50 cts.

**Oriental, Princess Victoria Louise.** Enormous silken flowers of glowing salmon-pink, marked by glossy black blotches at the base of the petals. 2  $\frac{1}{2}$  ft. Pkt. 10 cts.

### Portulaca

Annual

Sturdy little annual trailing plants that bloom brightest during our warmest, driest weather. Beds of them form brilliant rainbows of color on sunshiny mornings—the sun cannot be too warm for them.

**Single Mixed.** In many rich colors. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 20 cts.

**Double Mixed.** A large percentage of the flowers will be as double as little roses. Pkt. 10 cts.;  $\frac{1}{8}$ oz. 40 cts.

### Potentilla • Cinquefoil Perennial

Charming hardy perennial plants for the border, with brilliant single or double flowers, mostly in orange, red and crimson tones, that are produced in profusion from June to August. Succeeds in any soil. 1  $\frac{1}{2}$  ft.

**Double Hybrids Mixed.** Pkt. 15 cts.

**Single Hybrids Mixed.** Pkt. 10 cts.

### Hardy Primrose Perennial

Cowslips or Hardy Perennial Primroses are favorite early spring flowers with clusters of bright blossoms in different shades of red and yellow. The clumps increase rapidly.

**Japonica, Mixed Colors.** Pkt. 10 cts.

**Polyantha.** Showy outdoor plants. **Mixed Colors.** Pkt. 10 cts.

**Vulgaris.** The true, fragrant yellow Primrose. Pkt. 10 cts.

### Pueraria Perennial Climber

**Thunbergiana.** Japanese Kudzu Vine. The fastest-growing of the hardy climbers. Will grow 8 to 10 feet the first year. The foliage is large, covers well, and the blooms are rosy purple. Pkt. 10 cts.;  $\frac{1}{4}$ oz. 25 cts.; oz. 60 cts.

### Pyrethrum Perennial

**Hybridum, Single Mixed.** Large, daisy-like flowers in May and June, and again in the fall. Pkt. 10 cts.;  $\frac{1}{8}$ oz. 40 cts.

### Rhodanthe Annual

**Manglesi. Swan River Everlasting.** A charming annual that succeeds in light rich soil and a warm, sheltered situation. Valuable for pot-culture. Everlasting flowers. 1 ft. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$ oz. 25 cts.

### Ricinus Communis • Castor-Oil Bean Annual Climber

Annual plants of stately growth. Fine fruits and leaves.

**Bourboniensis arboreus.** Grows 15 feet high. Leaves enormous. Pkt. 10 cts.; oz. 25 cts.

**Cambogensis.** Red-black stems; very dark leaves. Very distinct. Pkt. 10 cts.; oz. 25 cts.

**Gibsoni, Duchess of Edinburgh.** Dark purple leaves and stems. Pkt. 10 cts.; oz. 25c.

**Zanzibarensis.** The plants attain great dimensions, presenting a splendid aspect with their gigantic leaves. Pkt. 10 cts.; oz. 25 cts.

**Mixed Varieties.** Pkt. 10 cts.

## Rudbeckia • Coneflower

Perennial

**Newmani.** One of the finest of autumn-flowering perennials, bearing large flowers with bright orange-yellow petals surrounding a large black cone. 3 ft. Pkt. 10 cts.; special pkt. 40 cts.

**Purpurea.** Giant Purple Coneflower. A most interesting hardy perennial, producing, all summer, large, showy reddish purple flowers about 4 inches across. 3 ft. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 50 cts.

## Salpiglossis • Tube Tongue Annual

**Variabilis (grandiflora).** This elegant half-hardy annual flowers in late summer and autumn. The blossoms are velvety, with deep veins and markings, lily-shaped and quaintly lovely. **Mixed Colors.** Pkt. 10 cts.

## Salvia • Flowering Sage

Magnificent bedding plants, all ablaze with long spikes of blue or scarlet flowers from June until October. 1 to 2 ft.

**Splendens, America.** Annual. Flowers bright scarlet. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 75 cts.

**Bonfire.** Annual. Beautiful dwarf variety, producing long spikes of rich scarlet flowers. Very free blooming. Pkt. 10 cts.;  $\frac{1}{8}$  oz. 50 cts.

**Farinacea.** Perennial. Long spikes of lavender-blue flowers. Pkt. 15 cts.

**Pratensis atroviolacea.** Perennial. A dark violet variety. Pkt. 10 cts.

## Sanvitalia • Creeping Zinnia Annual

**Procumbens fl.-pl.** This annual is fine for low borders, preferring a light soil and sunny situation. It will be a mass of bloom from midsummer to late fall. Small bright yellow flowers with purple disc. Sow indoors in March or outdoors in May. 6 in. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 75 cts.

## Scabiosa

**Atropurpurea grandiflora.** Mourning Bride. Annual. Curious and pretty old-fashioned flowers, dark purple, rose, or white, still deservedly popular. **Mixed Colors.** Pkt. 10 cts.;  $\frac{1}{4}$  oz. 35 cts.

**Caucasica.** Perennial. Free-flowering sort with semi-double, lilac flowers about  $2\frac{1}{2}$  inches across. Good border plant. Pkt. 10 cts.

## Schizanthus • Butterfly or Fringe Flower Annual

This is one of the daintiest flowers imaginable, especially adapted to bordering beds of taller flowers and those of a heavier growth. Seeds germinate quickly and come into bloom in a few weeks from sowing.

**Dwarf Large-flowered Mixed.** Forming compact, pyramidal plants a foot high, literally covered with large, beautiful, orchid-like flowers in a bewildering range of color. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 40 cts.

## Sedum • Stonecrop Annual

**Cæruleum.** Pretty creeping annual with dainty racemes of charming pale blue flowers. A splendid subject for the rockery. Pkt. 15 cts.

## Senecio Biennial and Perennial

**Jacobæa.** Tansy Ragwort. Flowers yellow, in corymbs. 4 ft. Pkt. 10 cts.

## Silene • Catchfly Perennial

**Asterias grandiflora.** Showy perennial plants having carmine-scarlet, globular heads. Should be in every garden. 1 $\frac{1}{2}$  ft. Pkt. 10 cts.

Greenhouse

## Solanum • Jerusalem Cherry

A greenhouse plant that has been greatly improved and is a very useful pot-plant for winter decoration. It is of dwarf, branching habit, with small, oval leaves, and bears the greatest profusion of bright scarlet, globular berries. Very ornamental. 1 ft. Pkt. 10 cts.

## Stocks

Annual

These free-blooming annual plants are easy to grow either in beds or pots. Almost all the varieties have long, handsome spikes of fragrant flowers, which are admirable for cutting and remain fresh a long while. The Ten-Weeks Stocks are especially popular because they bloom so soon after the seed is sown.

## Large-Flowering Ten-Weeks

**Pure White, Flesh-colored, Dark Crimson, Dark Blood-Red, Light Blue, Pink, Scarlet, Dark Blue, and Mixed.** Each, pkt. 10c.

## Cut-and-Come-Again Stocks

An unusually free-blooming annual species. The plants grow about 2 feet high, and send out numerous side branches, each of which bears a cluster of fragrant flowers, beautifully shaped and very double. **White and Mixed Colors.** 2 ft. Each, pkt. 10 cts.

## Virginian Stocks

Annual

Pretty, profuse-flowering little plants about 1 foot tall, with clusters of red and white flowers. Pkt. 10 cts.;  $\frac{1}{4}$  oz. 25 cts.

## Sweet Peas

Annual Climber

Every garden must have its hedge of Sweet Peas, and we are ready to supply you with the best of seed.

## Giant Spencer Summer-Flowering

**Asta Ohn.** Pinkish lavender.

**Countess Spencer.** Pure pink.

**King Edward Spencer.** Pure red.

**Matchless.** Yellow.

**Wedgwood.** Blue.

**White Spencer.** Pure white, select strain.

Any of above, pkt. 10 cts.; oz. 20 cts.;  $\frac{1}{4}$  lb. 60 cts.

**Mixed Colors.** Pkt. 10 cts.; oz. 20c.;  $\frac{1}{4}$  lb. 60c.

## Giant Early or Winter-Flowering

### Best for Forcing

**Blue Bird.** Violet-blue.

**Burpee's Orange.** Glistening orange.

**Fire King.** Orange-scarlet.

**Rose Charm.** Bright rose.

**Snowstorm.** Flowers large, white, very fragrant.

**Songster.** Lavender.

Any of above, pkt. 10 cts.;  $\frac{1}{2}$  oz. 20 cts.; oz. 30 cts.;  $\frac{1}{4}$  lb. \$1



# Summer-Flowering Bulbs

## Begonia, Tuberous-Rooted

For bedding and as pot-plants, these beautiful flowers are very desirable and popular. They bloom continuously all summer; flowers are very large, outrivalling those of the most brilliant geraniums. The flowers are circular, large, and of great substance; the colors are most beautiful, rich, and varied. Large bulbs, 2 inches in diameter and up.

*To obtain the best results with these bulbs, they should be started indoors about the middle of February, and should not be planted outdoors until all danger from frost has passed.*

### Double-Flowering

**Red, Salmon, Rose, White, Orange, and Yellow.** 30 cts. each, \$3 per doz.

**Finest Mixed.** From above sorts. 30 cts. each, \$3 per doz.

## Cannas

One of the finest bedding plants for color of blooms and foliage. Fine for large bedding effects or for borders.

**City of Portland.** Rose-colored flowers produced in large clusters. 4 ft.

**Crimson Bedder.** Crimson. 4 ft.

**Eureka.** White. 4 ft.

**Florence Vaughan.** Golden yellow, dotted crimson. 4½ ft.

**Hungaria.** Pink. 3½ ft.

**King Humbert.** Orange-scarlet flowers surround beautiful coppery bronze foliage. 5 ft.

**Richard Wallace.** Canary-yellow flowers. 4 ft.

**The Ambassador.** Brilliant red. Bronze foliage. 5 ft.

**The President.** The finest red Canna. 5 ft.

**Wintzer's Colossal.** Orchid-type flowers; brilliant scarlet. 5 ft.

**Wyoming.** Orange flowers. Bronze foliage.

**Yellow King Humbert.** Yellow with red dots. 4½ ft.

All varieties, 20 cts. each, \$1.50 per doz.

## Gladiolus

Of summer-blooming plants for general garden decoration, the Gladiolus are deserving of special attention. Requiring but little room for growth, they are exceedingly useful for planting among shrubbery in the border, while for massing in large beds, where a brilliant and effective display is desired, they are invaluable. They succeed best in good loam, enriched with well-rotted manure. Bulbs should be planted about 3 inches deep and 6 inches apart. All our Gladiolus are No. 1 top-sized bulbs and will produce fine, healthy blooms.

**Albania.** Very good, early midseason, dependable, pure white. 40 cts. per doz., \$3 per 100.

**Crimson Glow.** One of the best red cut-flowers. Very strong grower in any soil. 40 cts. per doz., \$3 per 100.

**Giant Nymph.** A large, bright pink that is very popular. Stands all kinds of weather well. 50 cts. per doz., \$3.50 per 100.

**Golden Dream.** Very tall, strong-growing yellow variety. This is a consistent prize-winner in flower shows. 50 cts. per doz., \$3.50 per 100.

## Gladiolus, continued

**Halley.** The earliest salmon-pink grown. It gives a good spike with large flowers. 40 cts. per doz., \$3 per 100.

**Lily White.** Very early white with cream throat. Many flowers open at once. 40 cts. per doz., \$3 per 100.

**Longfellow.** Very large, clear, pure pink blooms on a graceful spike, opening 6 to 10 at once. 50 cts. per doz., \$3.50 per 100.

**Marina.** Tall, strong-growing; bright orange. This is the most dependable large-flowering orange sort grown. 50 cts. per doz., \$3.50 per 100.

**Mrs. Laura S. Schweppé.** A very pretty rose-pink, much different from any other variety. 40 cts. per doz., \$3 per 100.

**Mrs. Leon Douglas.** Very large, deep salmon flowers on such a massive spike that one is a bouquet in itself. 60 cts. per doz., \$4 per 100.

**Opalescent.** Strong-growing, tall, light lavender variety, blooming fairly early. 40 cts. per doz., \$3 per 100.

**Orange Queen.** A good grower with beautiful flowers of a light orange shade. This is the only Glad in this shade. 40 cts. per doz., \$3 per 100.

**Purple Glory.** Very dark, ruffled red blooms. Exceptionally strong grower. The petals look and feel like velvet. 60 cts. per doz., \$4 per 100.

**Wilbrink.** The earliest light pink grown. Its large flowers are well placed on a tall, graceful spike. 40 cts. per doz., \$3 per 100.

**Special Mixture.** This collection contains a large percentage of the newer and finer varieties, including many exhibition sorts. Many pleasant surprises can be expected from this collection at blooming-time. 35 cts. per doz., \$2.75 per 100.

## Dahlias

These summer- and autumn-flowering plants are more popular than ever. They should not be planted until the weather has become warm and settled in spring, and should be taken up before severe frosts in autumn. One shoot should be allowed to each root. During winter, keep roots in a dry, warm place.

**WE ARE OFFERING A SPECIAL COLLECTION OF POMPONS, 12 SEPARATE COLORS, FOR ONLY \$1.50**

### Single-Flowered Dahlia Collection

**6 Assorted Bulbs, \$1.25**

This is a fine assortment of single-flowering types very good for cutting.

### 2 Special Spring Collections

**6 named varieties for \$1.50**

**6 named varieties for 2.00**

The tubers in these two collections are all of the large-flowering types, including the Cactus, Decorative, and Show Dahlias.

## Choice Varieties of Dahlias

A. E. Wheeler.	Deep, rich purple.....	\$0 35
Bagdad.	Large; brilliant red.....	50
Commodore.	Extra large; pure yellow..	50
Eagle Rock Fantasy.	Lavender-pink . . . . .	50
Edith Halloway.	Carmine, splashed red . . . . .	35
Elite Gem.	Pink and primrose.....	25
Elite Glory.	Pink and carmine.....	35
Grace Curling.	Lilac, shaded pink.....	50
Ida Perkins.	Large; white.....	35
Jane Cowl.	Orange-buff.....	35
Jersey's Beacon.	Orange, erect blooms..	25
Josephine G.	Large; pink.....	50
Kathleen Norris.	Large; rose-pink.....	35
Kathleen Kelly.	Large; deep red.....	25
Mabel Goodacre.	Large; heliotrope-pink. . . . .	1 00
Margaret W. Wilson.	Large; white, shaded purple.....	25
Marmouth.	Massive deep tango.....	1 00
Prince of Persia.	Mammoth royal red.. . . . .	75
Port Washington.	Medium large; red... . . . .	50
Robert Scotty.	Salmon-pink.....	35
Salem Pride.	Violet and carmine.....	50
Saturn.	Deep red, variegated carmine... . . . .	1 00
Thomas A. Edison.	Deep royal purple.. . . . .	50
Uncle Tom.	Apricot, shaded gold.....	50
World's White.	Large; pure white.....	35

These bulbs are all guaranteed true to name and to be first-quality roots.

## Tuberoses

One of the most delightfully fragrant flowers. Invaluable for bouquets, buttonholes, and wherever cut-flowers are in demand. Before potting the bulbs, remove the small offsets.

**Excelsior, Double Pearl.** A superior strain with very large white flowers, produced in great abundance. 60 cts. per doz.; \$4 per 100.

**Mexican Everblooming.** Very fragrant, waxy white flowers on long, erect spikes. Plant the bulbs after all danger of frost has passed. Blooms from August onward. 60 cts. per doz.; \$4 per 100.

## Hardy Garden Lilies

No garden is complete without the fragrance and stately form of the Hardy Lilies. Planted 8 to 10 inches deep in a rich loamy soil, with an inch of sand at the bottom of the bulbs for proper drainage, they are of comparatively easy culture.

**Auratum** (Gold-banded Lily of Japan). One of the finest Lilies to grow. The flowers measure nearly a foot across and have a delightful fragrance. Grows from 3 to 5 feet tall and blooms from late July to September. 40 cts. each; \$4.50 per doz.; \$30 per 100.

**Henryi** (Yellow Show Lily). Orange-yellow flowers spotted reddish brown. Grows 4 to 6 feet tall and blooms in August. 35 cts. each; \$3.50 per doz.; \$25 per 100.

**Philippinense formosanum.** Very fragrant, pure white, long trumpet-shaped flowers. 20 cts. each; \$2 per doz.

**Regale** (Royal Lily). The flowers are white, suffused with pink; canary-yellow at the center. A very popular variety, and a splendid type for any garden. Blooms in July. 35 cts. each; \$3.50 per doz.; \$25 per 100.

**Speciosum album** (White Show Lily). Large white flowers, marked green along center. Grows 2 to 4 feet high. 40 cts. each; \$4.50 per doz.; \$30 per 100.

**Speciosum rubrum.** Large white flowers shaded with rose and red. 35 cts. each; \$3.50 per doz.; \$25 per 100.

**Tenuifolium** (Coral Lily). Waxy flowers of brilliant scarlet on 18-inch stems are produced in quantity during early summer. An ideal rock-garden Lily. 15 cts. each; \$1.25 per doz.; \$9 per 100.

**Tigrinum flore-pleno** (Double Tiger Lily). Only double Tiger Lily worth growing. 25 cts. each; \$2.50 per doz.; \$18 per 100.

**Fall Bulbs.** WE CARRY A COMPLETE LINE OF BULBS FOR AUTUMN PLANTING—CROCUSES, HYACINTHS, NARCISSUS, TULIPS, ETC.

## Our Plant Department

Our Flower and Vegetable Plants are grown from our own selected seed stocks by careful, competent growers who use the utmost care in growing them. They are properly prepared for transplanting so that you are assured of excellent results when you use them.

### Vegetable Varieties

**CABBAGE, Extra Early Wakefield**  
Golden Acre

**CAULIFLOWER, Super-Snowball**

**EGGPLANT, Black Beauty**

**PEPPERS, Worldbeater (Sweet)**  
Harris Early Giant (Sweet)  
California Wonder (Sweet)  
Asgrow King (Sweet)  
Bullnose (Hot)

**LETTUCE, New York No. 12**  
May King  
White Boston

**TOMATO, Asgrow Scarlet Dawn**  
Barrett's Special Bonny Best  
Barrett's Special Earliana  
Dwarf Champion  
Acme  
John Baer  
Certified Marglobe  
Pritchard  
Ponderosa  
Strawberry  
Red and Yellow Plum

### Annual and Perennial Plants

We carry a fine assortment of the leading varieties at our store during the planting season.

# Niagara Insecticides and Fungicides

(Ask for detailed circulars and spray-charts)

NOTE. Owing to the possibility of market fluctuations on certain items, we have refrained from inserting prices on those. The lowest market prices will be quoted on application.



**NIAGARA ARSENATE OF LEAD.** The ideal Lead Arsenate. Spreads completely and evenly and contains highest per cent of arsenic oxide, thus giving maximum killing power. Slow reaction with other chemicals, thus giving a minimum of black sludge with Lime-Sulfur Solution. Has lowest per cent of water-soluble arsenic, giving it the widest margin of safety to fruit and foliage. 1-lb. pkg. 30 cts.; 4-lb. pkg. 80 cts.

**NIAGARA CALCIUM ARSENATE.** For potatoes and field crops. Preferred by potato and vegetable growers because of its high arsenic content and quick kill. Packed in 4-lb. bags, 12 per 48-lb. carton.

**NIAGARA CALRITE.** A special form of Calcium Arsenate recommended for use on apples for late-season spraying to avoid lead residue. Calrite has proven safe under New England conditions in four-year tests. Use 3 pounds per 100 gallons of water; add 6 pounds fresh chemical hydrated lime. Packed in 3-lb. bags, 16 per 48-lb. carton.

**NIAGARA DORMANT and DELAYED DORMANT SPRAY OILS. EMULSO.** Has the greatest margin of safety to bud-growth and wood-growth. High killing properties on insects and insect eggs. Highest quality. Packed 50-gal. drums, 30-gal. drums, 15-gal. drums. Use 3½ gallons per 100 gallons of water.

**PENINSULAR OIL EMULSION.** The standard Oil Emulsion for delayed dormant spraying. Packed 50-gal. drums, 30-gal. drums, 15-gal. drums. Use 3½ gallons per 100 gallons of water.

**NIAGARA DORMANT OIL, READY MIX.** This is a clear oil and must be emulsified in the tank as per directions. The standard tank mix oil. Packed 54-gal. drums. Use 3½ gallons per 100 gallons of water.

**ASK FOR A NIAGARA SPRAY CHART**

## LIME-SULFUR SOLUTION, NIAGARA

—32° Baume. Convenient to use. Free from sediment. Use according to spray-chart recommendations for controlling scale insects and diseases. Packed 55-gal. steel drums, 30-gal. steel drums, 5-gal. cans, 1-gal. cans, and 1-qt. cans.

## LIME-SULFUR, DRY, NIAGARA.

In powder form. It has all the advantages of liquid Lime-Sulfur Solution without its disadvantages. Packed 1-lb. cans, 5-lb. cans, 25-lb. drums, 100-lb. drums, 200-lb. drums.

NOTE. Lime-Sulfur Solution may be mixed with Emulso and Peninsular Oils, but not with the Niagara Dormant Oil.

## NIAGARA COLLOIDAL SPREADER.

With all combinations of sulfur fungicides and arsenicals Colloidal Spreader improves the spread, increases the efficiency of the arsenical in the spray, and aids in the prevention of arsenical injury. Use ½ pound to 100 gallons of spray. 1-lb. bag, 25 cts.; case lots, 50 1-lb. bags, @ 21 cts. per lb.

**KOLOFOG.** Highly effective sulfur spray for use on apples and peaches, replacing lime-sulfur solution in all sprays following dormant or delayed dormant. Because of its great adhesiveness it makes an excellent carrier for Arsenate of Lead and is especially recommended for use in the calyx and first-cover spray. Will not russet fruit or burn foliage. In later sprays, where the excellent sticking qualities of Kolofog may be objectionable, we recommend the use of Niagara Pre-Harvest Kolofog. 48-lb. carton (8 6-lb. bags) \$4.50; 6-lb. bag 75 cts. Use 6 pounds per 100 gallons of water.

**KOLOFOG, PRE-HARVEST.** Modified form of Kolofog containing more free sulfur and less colloidal sulfur. Because of the smooth, almost invisible dust coverage obtained with Pre-Harvest Kolofog, this material is recommended for use in all sprays following the first- or second-cover spray. No lime need be added. 48-lb. carton (8 6-lb. bags) \$4.75; 6-lb. bag 85 cts. Use 6 pounds per 100 gallons of water.

**NIAGARA LEAD-KOLO-ZINC.** The ideal peach spray for use on the shuck-fall and first-cover applications for control of brown rot and curculio on peaches. Will not injure peach foliage. A mixture of Kolofog, Zinc Sulphate, and Lead Arsenate. For sprays after first cover on peaches, use Pre-Harvest Kolofog. 48-lb. carton (4 12-lb. bags) \$5. Use 12 pounds per 100 gallons of water; add Lime as per directions.

# Niagara Insecticides and Fungicides

**KOLODUST.** The exclusive Niagara Colloidal Sulfur Dust that sticks through rain and wind. Used in the control of disease on fruits and flowering plants. The most effective sulfur dust obtainable. Dust in the rain with Kolodust to prevent scab whenever necessary. Packed in 100-lb. bags.

**KOLOTEX.** This is a poisonous dust containing 10 per cent Lead Arsenate and the new exclusive Niagara Colloidal Sulfur Dust. Packed in 100-lb. bags \$6.65.

**KOLOKIL.** This is a poisonous dust containing 15 per cent Lead Arsenate and the new exclusive Niagara Colloidal Sulfur Dust. Recommended especially for curculio control and other insects requiring more poison than contained in the Kolotex mixture. Packed in 100-lb. bags \$7.25.

## NIAGARA NICOTINE DUSTS.

**P. A. Dust.** A 4 per cent Nicotine Dust for the control of aphid, red bug, striped cucumber beetles. Best contact dust for controlling sucking insects. Packed in 100-lb. drums, \$12.30; packed in 50-lb. drums, \$7.15.

**A 1 Dust.** A 3 per cent Nicotine Dust packed in 100-lb. drums, \$10.30; packed in 50-lb. drums, \$6.15.

## NIAGARA ROTENONE DUSTS.

**Kolo Rotenone.** This dust is especially recommended for the control of pea aphid, and mildew on peas, where a combination of fungicide and insecticide is required. Packed in 100-lb. and 5-lb. bags. 100-lb. bag \$11.50; 5-lb. bag 85 cts.

**3/4 per cent Rotenone Dust.** Packed in 50-lb. and 5-lb. bags. 50-lb. bag \$5; 5-lb. bag 75 cts.

**1/2 per cent Rotenone Dust.** 50-lb. bags \$4.50.

Rotenone Dusts are recommended for use where an arsenical residue on truck crops is objectionable. They control worms on cabbage, cauliflower, pea-lice, Mexican bean beetle, and many other common insect pests. Niagara Rotenone Dusts contain the highest toxic properties available in Derris and Cube roots.

**COPOTEX.** A special processed copper, lime, and poison dust for potatoes and truck crops, and more effective than the standard copper-lime dust because of its more toxic properties and greater adhesiveness. 100-lb. drums \$8.80; 75-lb. bags \$5.85.

**COPODUST.** Special processed copper-lime dust without poison for potato and truck-crop diseases. Packed in 100-lb. drums and 75-lb. bags. 100-lb. drum \$6.55.

**DUO BORDO.** A handy, effective Bordeaux spray material. Packed in 50-pound cartons, consisting of 5 bags of treated bluestone and 5 bags of chemical lime. Dump a bag of each into 50 gallons of water. Makes an instant Bordeaux—sprays out well—sticks and protects. Per carton \$3.75.



## POMO-GREEN WITH NICOTINE.

The leaf-green all-in-one dust or spray for the control of both insects and diseases on flowering plants and shrubs. Highest rating given in tests conducted by the American Rose Society. Effective against black-spot, mildew, rust, and insects. 1-lb. can 75 cts.; 5-lb. can \$3; 50-lb. drum \$21; 100-lb. drum \$40.

## NIAGARA FLOWER GARDEN DUST OR SPRAY.

Grow clean flowers and shrubs with this new, economical, simple-to-use material. Contains sulfur in its best form, with a special lead arsenate in correct proportions. 1-lb. canister 35 cts.; 4-lb. bag 90 cts.

## NIAGARA VEGETABLE GARDEN DUST OR SPRAY.

A general-purpose material that is used on garden crops for control of leaf-eating worms and insects. Prevents blight and disease. 1-lb. canister 35 cts.; 4-lb. bag \$1.15.

## NIAGARA BEAN BEETLE DESTROYER, DUST OR SPRAY.

This material contains sufficient magnesium arsenate to "knock them dead" without burning the foliage. 1-lb. canister 28 cts.; 4-lb. bag 60 cts.

## DRY BORDO.

A prepared Bordeaux spray for all garden crops and any plants that are copper-tolerant. Dissolves quickly—easy to use—effective.

**D-18.** The standard copper, lime and poison dust for potatoes and truck crops. An exceptionally high grade of copper used, always uniform and always gives a good dust coverage. 100 lbs. \$7.50.

**D-25.** A copper-lime dust without poison for potato and truck-crop diseases. A uniform Bordo covering will result from its use. Maximum strength. Packed in drums and bags. 100 lbs. \$6.25.

## NIAGARA ROTENONE DUST OR SPRAY.

A concentrated Rotenone-bearing powder for liquid spraying or dry dusting. 1-lb. canister 35 cts.; 4-lb. bag \$1.45.

FOR BETTER CROPS  
SPRAY OR DUST  
THOROUGHLY!

## Other Insecticides and Fungicides

Items marked with an asterisk (\*) are not mailable

Owing to unsettled conditions in the Insecticide trade, we are unable at time of going to press to name prices except as noted.



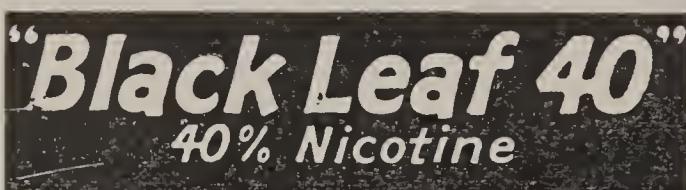
\***ANTROL.** **Ant Destroyer.** Easy to use, economical, safe around children and pets. Consists of small glass containers from which worker ants carry special Antrol Syrup to their nests for food. The whole ant family is quickly killed at the source. Controls both sweets- and grease-eating ants. Ready filled sets, containing 4 filled Feeders, 40 cts. Regular sets with 4 Containers and a 4-oz. bottle of Syrup—enough for two fillings, 75 cts.

\***Antrol Syrup.** For refilling. 4-oz. bottle, 35 cts.; 1-pt. bottle, 85 cts.

**Antrol Ant Trap.** Contains two baits. Kills both sweets- and grease-eating ants. Safe around children and animals. Ready to use. 15 cts.



\***CYANOGEN ANT-KILLER.** Simply enlarge entrance of nest with pointed stick or long-shank screw-driver. Adjust spout. Allow amount of Cyanogas to fill the hole. The queen and workers are killed in a few minutes. 30 cts.



\***BLACK-LEAF 40** (Sulphate of Nicotine). This was the first brand of Nicotine Sulphate containing 40 per cent of nicotine ever placed on the market. It was the product used by authorities in the original tests and spraying demonstrations with Nicotine Sulphate. Black-Leaf 40 is approved by Federal and state experiment stations. Useful in delousing poultry by painting the tops of the roosts. Oz. 35 cts.; 5 ozs. \$1; lb. \$2.25; 2 lbs. \$3.25; 5 lbs. \$5.85; 10 lbs. \$10.60.

**BLUE STONE** (Copper Sulphate). Used for spraying. Also composes a necessary part in Bordeaux mixture when made by the user.

**CUPROCIDE** (Red Copper Oxide). Seed-disinfectant. Prevents damping-off and other seed-borne diseases. 4-oz. can 35 cts.; lb. 90 cts.

**CUPROCIDE No. 54.** Spray your seedlings with it for damping-off protection. 3-lb. bag, 37 cts. per lb.; 38-lb. case, 32 cts. per lb.

## CYANOGEN

REG. U.S. PAT. OFF.

\***CYANOGEN A.** An effective, easy, quick, and thorough means of controlling rats, mice, ants, moles, woodchucks, and other pests about the house and farm. Lb. 75 cts.; 5 lbs. \$3.

\***CYANOGEN G.** Endorsed as the leading method of greenhouse and mushroom house-fumigation at lowest cost. 5 lbs. \$3; 25 lbs. \$10.

\***CROW-REPELLENT.** A non-poisonous oil for protecting newly planted corn from crows and blackbirds. Don't kill the crows—they are valuable bug destroyers. Corn treated with this oil will run through a seeder better than when treated with tar.  $\frac{1}{2}$ pt. 60 cts.; pt. \$1.

## CROW-FEZ

Treats your corn seed against crows

1/2pt. . . . . 35 cts.

Treats 1 bushel seed

1 pt. . . . . 50 cts.

Treats 2 bushels seed

1 qt. . . . . 75 cts.

Treats 4 bushels seed

\***FISH- or WHALE-OIL SOAP.** A very effective, simple, and cheap preparation for the preservation of trees, shrubs, plants, vines, rose bushes, and garden plants in general from the ravages of insects. Lb. 30 cts.; 5 lbs. \$1.35.

\***FORMALDEHYDE DUST.** A safe, economical, and easy-to-apply treatment for the control of damping-off of flower and vegetable seedlings. Lb. 75 cts.; 5 lbs. \$2; 25 lbs. \$5.50.



**FUNGTOGEN.** Effective remedy for conquering mildew on roses; destroys black-spot.  $\frac{1}{2}$ pt. 75 cts.; pt. \$1.25; qt. \$2; 2 qts. \$3.50.

## Insecticides and Fungicides

\***GRAPE DUST.** For destroying mildew on grape-vines, and trees affected with mold, mildew, or rust-mites. 5 lbs. \$1.25.



\***INSECTROGEN.** A complete spray—poison, fungicide, and fertilizer. Excellent for roses, phlox, etc. 4 ozs. 60 cts.;  $\frac{1}{2}$  pt. \$1; pt. \$1.75.

**MAGNESIUM ARSENATE.** Used for the elimination of bean beetles, caterpillars, etc. For wet spraying, use 1 pound to 50 gallons of water. Care should be taken that the under sides of the leaves are thoroughly sprayed. For dry spray, add 4 pounds Hydrated Lime to each 1 pound, and dust four times during the growing season. 2-lb. pkg. 70 cts.



\***NICO-FUME, Liquid.** An effective vaporizing liquid. Lb. \$2.25; 4 lbs. \$5.75; 8 lbs. \$10.

**NICO-FUME, Powder.** For fumigating greenhouses; contains 12½ per cent nicotine. 5 lbs. \$3.25; 10 lbs. \$5.85.

\***NICO-FUME, Paper.** A nicotine preparation. Furnishes easiest method of fumigation. Box of 24 sheets, \$1.25; 144 sheets, \$4.50.

**NICO-FUME TOBACCO POWDER PRESSURE FUMIGATOR.** A 1-pound can will fumigate between 25,000 and 30,000 cubic feet.  $\frac{1}{2}$  lb. 45 cts.; 6 for \$2.40. Lb. 75 cts.; 6 for \$3.75; 12 lbs. for \$6.75.

\***NICOTINE-PYROX.** A complete spray, killing the 31 common varieties of insect pests and controlling disease. It contains arsenate of lead, nicotine sulphate, and a copper fungicide. 1-lb. jar 50 cts.; 5-lb. can \$1.75; 10-lb. can \$3.

\***PARIS GREEN.** One of the oldest insecticides, very effectual in ridding potatoes of the potato beetle. Add 1 pound to 50 gallons of water.  $\frac{1}{4}$  lb. 20 cts.; lb. 40 cts.

\***PYROX, BOWKER'S.** Pyrox is a powerful fungicide, also kills chewing insects. It is a strong poison insecticide combined with the copper fungicide. Pyrox is easy to use—just mix with water, and spray. It sticks to the foliage and gives lasting protection. It is a creamy paste, so smooth and fine that it goes through the finest nozzle without clogging. 25 lbs. \$5; 50 lbs. \$7.50; 100 lbs. \$12.50.



\***RED ARROW INSECT SPRAY** is a powerful, non-poisonous spray for the destruction of aphids, hard-shelled beetles, and all sucking insects. It kills by contact and will not harm foliage, flowers, or fruits. 1-oz. bottle 35 cts.;  $\frac{1}{4}$ -pt. can \$1; 1-qt. can \$5.40; 1-gal. can \$16.

**RED ARROW SOAP.** A neutral potash cocoanut-oil product for use with contact insecticides. Particularly effective when used with Red Arrow Spray. Gal. \$1.75.



\***SCALECIDE.** Sure death to the San Jose scale. A soluble petroleum spray for use in orchards. It is economical, effective, and acts as a fungicide. Qt. 65 cts.; gal. \$1.55; 5 gals. \$5.50; 15 gals. \$13.25; 30 gals. \$21; 50 gals. \$29.

\***SLUG-SHOT.** One of the best remedies for cabbage and currant worms. Apply as bought. Lb. 25 cts.; 5 lbs. \$1.



**SNAROL.** The most satisfactory material ever used for the control of cutworms, snails, slugs, etc. Non-injurious to vegetation and very economical because of its insolubility in water, thereby rendering it effective for one to three weeks under ordinary conditions. 1½-lb. pkg. 35 cts.; 4-lb. pkg. 85 cts.; 15-lb. pkg. \$3.

**COMPLETE SPRAYER EQUIPMENT**  
Power, Orchard, and Row-Crop Sprayers

**POWER and HAND DUSTERS**  
For Orchard and Row Crops  
Ask for Descriptive Circulars

## Insecticides and Fungicides

**\*SULFOCID.** A powerful fungicide for summer spraying. When sprayed, it quickly decomposes, leaving a film of extremely fine sulphur. This sulphur is so fine as to be almost invisible except where drops accumulate. It is actually precipitated on the leaf as true colloidal sulphur, which is sulphur in its strongest fungicidal form.

**SULPHUR-DUST.** Used on grapes as a fungicide.

**\*SUNOCO SPRAY OIL.** An ever-ready, self-emulsifying, permanent spray material, for dormant and summer use. Ask for booklet of spray schedules and detailed information.

**TOBACCO DUST.** If dusted on while the foliage is moist, it destroys rose lice, cabbage and turnip fleas, etc. Spread upon the ground, it keeps off all earth insects, and is an excellent fertilizer. Lb. 15 cts.; 100-lb. bag \$6.

**TOBACCO STEMS.** For fumigating plants infested with green fly, etc.

### Fertilizers



FOR a beautiful lawn and garden use Vigoro, the complete plant food. It supplies all 11 elements plants require.

Vigoro is clean, odorless, sanitary, and easy to apply.

Order a supply! See how it helps you achieve fine results.

1-lb. pkg.	\$0 10	25-lb. bag	\$1 60
5-lb. pkg.	45	50-lb. bag	2 75
10-lb. pkg.	85	100-lb. bag	4 25
F. O. B.			

**VIGORO**  
*Complete plant food*

### Tri-ogen

Protects roses against fungous diseases and insects.

A-Kit (makes 16 qts.)	.....	\$1 50
B-Kit (makes 64 qts.)	.....	4 00
C-Kit (makes 32 gallons)	.....	6 00

**\*TREE TANGLEFOOT.** A perfect safeguard for trees against gypsy, brown-tail and tussock moths, canker worms, ants and all creeping things. It will remain sticky three months, fully exposed to the weather. 6 ozs. 35 cts.; lb. 65 cts.; 5 lbs. \$3.

**VOLCK.** We have all of the different types—  
**Garden, Nursery, and Greenhouse,** in all the sizes. A scientific insecticide for nursery, greenhouse, and garden. Controls scale, insects, mealy bug, white flies, red spiders, rust mites, aphids, and thrips.

**Garden.** Pt. \$1; qt. \$1.50.

**Nursery.** Pt. 50 cts.; qt. 75 cts.; gal. \$2.

**Greenhouse.** Qt. 75 cts.; gal. \$2.

**WILSON'S O. K. SPRAY.** A powerful, yet harmless and efficient insecticide. Equally good on house-plants as well as in the garden.  $\frac{1}{2}$  pt. 40 cts.; qt. \$1; gal. \$3; 5 gals. \$12; 50 gals. \$90.

**ADCO.** A culture of bacteria associated with the breaking down of organic materials. Add it to garden rubbish, leaves and grass to hasten decay and quickly produce manure. 25 lbs. \$2.



5 lbs.	.....	\$0 40
10 lbs.	.....	65
25 lbs.	.....	1 00
50 lbs.	.....	1 50
100 lbs.	.....	2 75

**SHREDDED COW MANURE.** A weedless natural manure especially valuable for roses. 100-lb. bag \$2.75.

**HARRIS LAND LIME.** Ready for immediate distribution and will keep indefinitely when stored in a dry place. 50-lb. bags 50 cts. Prices on larger quantities quoted on application.

## Fertilizers

**HARRIS SPECIAL-PURPOSE LIME.** A hydrated Lime for home and garden or for use as a whitewash, insecticide, disinfectant, and soil-sweetener. 5 lbs. 25 cts.; 10 lbs. 35 cts.; 50 lbs. 80 cts.

**COTTONSEED MEAL.** Widely used by gardeners, florists, and nurserymen, as well as on golf-courses, lawns, and vegetable gardens. 100-lb. bag \$2.75.

**FLORANID (Urea).** The strongest plant-food known—very active, entirely soluble, containing 46 per cent nitrogen. When blossoms appear, then use *Floranid* in small quantities. It develops the blossoms, brings them to healthy maturity, gives bright colors, and puts a wonderfully brilliant green into leaves. Lb. 25 cts.; 5 lbs. 90 cts.; 10 lbs. \$1.50; 25 lbs. \$2.75.

**NITROPHOSKA.** A complete fertilizer, very concentrated, therefore a little goes a long way. An ideal plant-food for general growth, having composition of 15 per cent Nitrogen, 30 per cent Phosphoric Acid, 15 per cent Potash. Ideal for greenhouse and potted plants; for all flowers; for lawns; for vegetables—wherever plant-food is needed. Lb. 25 cts.; 5 lbs. 90 cts.; 10 lbs. \$1.50; 25 lbs. \$2.75.

**LAND PLASTER (Gypsum).** An excellent addition to land requiring lime and sulphates, particularly such crops as clovers, grasses, potatoes, and turnips. Quantity required, broadcasted and harrowed in,  $\frac{1}{2}$  to 1 ton per acre. Price on application.

**NITRATE OF SODA.** The most readily available form in which nitrogen can be had. Largely used for forcing vegetables, strawberries, etc., for applying to grass fields after each cutting, producing a strong, healthy growth and wonderfully increasing the yield. 100 lbs. \$2.75.

### Florida Humus



High-content organic Humus in its purest and richest form. Contains approximately 2 per cent nitrogen. All decayed vegetative mold from the bottom of a Florida lake. Greatly improves any soil, prevents packing of heavy soils, builds up sandy soils, promotes bacterial action—benefits immediate and lasting. 200 lbs. for 300 square feet,  $\frac{1}{2}$  inch deep. 100-lb. wire-bound, leak-proof crates \$2.50; 200-lb. crates \$4.50; ton \$35.

**ALUMINUM SULPHATE.** For creating acid conditions in the soil. Lb. 15 cts.; 5 lbs. 60 cts.; 10 lbs. \$1; 25 lbs. \$2.

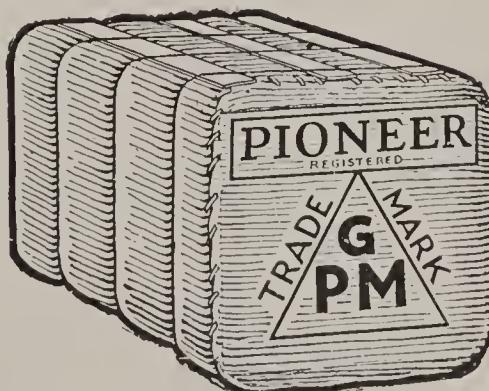
**MURIATE OF POTASH.** A popular form of the essential potash salts. It produces a very beneficial effect when applied to hay or pasture fields at the rate of 100 to 150 pounds to the acre. All root crops, potatoes, beets, turnips, and the like, require a large proportion of potash in order to develop properly. 100 lbs. \$2.60.

**SULPHATE OF AMMONIA.** The most highly concentrated form in which this very important plant-food element is obtainable. It should be used with caution and preferably mixed with other fertilizers, using not over 125 pounds of the Sulphate to the acre. 100 lbs. \$3.



A scientific blend of dehydrated cow manure, poultry manure, and peat moss. Prepared especially for lawns, flower-gardens, and roses. Retains the moisture in the soil and is a fine soil-builder and plant-food.  $\frac{7}{2}$ -lb. bag 50 cts.; 50-lb. bag \$1.75.

**SORBEX.** A specially selected, finely ground Peat Moss, and so fine that it may be used as a top-dressing for fine turf and will readily and quickly work into the turf. While it is not a fertilizer, it will put your soil in the correct mechanical condition for the fertilizer you may add, making it remain available for use by the plants. It will absorb and hold 10 to 12 times its own weight in moisture. 80-lb. bag (about 10 bus. when loosened) \$3; Trial Package 10 cts.



**G. P. M. PEAT MOSS.** As a material to improve the mechanical condition of the soil, G. P. M. Peat Moss has no equal. It helps to bind together loose and sandy soils and to break up and render more friable heavy and clayey soils. As a mulch, it meets every requirement. As a propagating material it has no equal, and is of great value in storing bulbs and as a forcing medium. Bales (about 19 bus.) \$3.25; 1-bushel bag 50 cts.

# Fertilizers and Exterminators

## Corenco Fertilizers

THEY ARE SWIFT, SUPERIOR, SURE, AND ACTIVE ALL THE TIME

The materials from which they are made are by their very nature the most powerful crop-producers known.

### How to Use Corenco Fertilizers

Methods vary to quite an extent in the application of Fertilizer: some sow broadcast, some use part broadcast and part in the furrows, while others apply through a Fertilizer distributor.

Everyone who uses a planter needs only to decide the quantity to apply per acre, and what we recommend refers to the use of Fertilizer alone, without manure. In case manure is used, the quantity of Fertilizer should be regulated accordingly.

For planting by hand, in hills, we recommend a liberal handful of Fertilizer to each hill. This means about a half pint, which should be well scattered and covered before the seed is dropped. If flat culture is practiced, then the Fertilizer may be strewn along the furrows, scattering it moderately at the rate of 5 pounds for each 50 feet of furrow. Then cover lightly with earth, dropping the seed and covering again. It is a good thing, in the case of corn, to scatter between the rows, as the roots spread out, and often meet, while in the case of potatoes, the roots extend downward. Never permit the seed to come in direct contact with the Fertilizer.

An application of Fertilizer may be made after the plants appear above the ground. This makes two applications, and some of our customers believe it pays. Many put on half the required amount at planting, and the remainder at the time of the first hoeing. This forces the crops along, giving them a vigorous start in the early stages of growth.

### CORENCO—CORN AND VEGETABLE.

4-8-4. This brand has been for many years very popular for all crops. It is excellent for vegetables and can be used in the flower garden successfully. 100 lbs. \$2.10.

### CORENCO—GENERAL CROP. 5-8-7.

One of the most popular brands in New England. A complete, well-balanced fertilizer supplying available plant-food in form best suited to start and maintain root-growth. 100 lbs. \$2.35.

### CORENCO TOP-DRESSING. 8-6-4.

The recognized formula for top-dressing lawns. Also used for fertilizing trees and shrubs.

### CORENCO—PURE FINE BONE.

Contains from 20 to 25 per cent of pure phosphoric acid, and 3 to 4 per cent ammonia. Best material from which phosphoric acid can be obtained. 100 lbs. \$2.75.

**ACID PHOSPHATE.** Guaranteed 16 per cent available phosphoric acid. Acid Phosphate is recommended for all grain and grass crops, cowpeas, soy or soja beans, and for applying to lands deficient in phosphoric acid. Beneficial results follow the addition of Acid Phosphate to stable and barnyard manure, all manure being deficient in phosphoric acid but high in ammonia, the mixture giving a better balanced plant-food. 100 lbs. \$1.45.

## Stim-U-plant

*The Magic Plant-Food Tablet*

Excellent for flowers and potted plants. Contains highly concentrated, immediately available forms of plant-food for use in stimulating all flower and ornamental plants. May be used either in tablet or liquid form. Pkg. 10 cts.; 30 tablets 25 cts.; 100 tablets 75 cts.; 1000 tablets \$3.50.

## Weed-Killers

**ATLACIDE.** Non-poisonous Weed-Killer used as a dust, or a spray. One pound is sufficient to kill 100 to 450 square feet of weeds and grasses. 5-lb. can \$1.50; 15 lbs. \$3.50.

**ATLACIDE DUSTING POWDER.** Dust away your weeds! 4-lb. can 75 cts.

**DOLGE WEED-KILLER.** A clear, concentrated, super-strength liquid chemical which sinks into the ground, destroying the tops and roots of all existing growth. One quart makes from 20 to 40 quarts by adding water. Qt. 85 cts.; gal. \$1.90; 5 gals. \$8.50.

## Rat and Mouse Killers

**K. R. O.** Will rid your premises without endangering your pets, live-stock, poultry, etc. Harmless to animals other than rats and mice. 2-oz. pkg. 75 cts.

**DOLCO MOUSE CEREAL.** Sanitary, clean, and easy to use. No mixing necessary. While not attractive to domestic animals, it is best to keep dogs, cats, and other pets away from this material. 25 cts.

## Dogaway

A pioneer in a most welcome field and a spray that discourages animals, especially dogs, from injuring evergreens and other plants. Non-injurious to plants and to animals externally. As it may be diluted with three parts water it is most economical. 8 ozs. 50 cts.; pt. 75 cts.; qt. \$1; gal. \$3.

# Miscellaneous Supplies

## Plant Stakes Tapering, Painted Green

	Doz.	100		Doz.	100
2 feet....	\$0 30	\$2 00	4 feet....	\$1 35	\$9 60
2½ feet..	50	2 50	5 feet....	1 90	14 00
3 feet....	90	6 00	6 feet....	2 15	15 70

## Cane Stakes

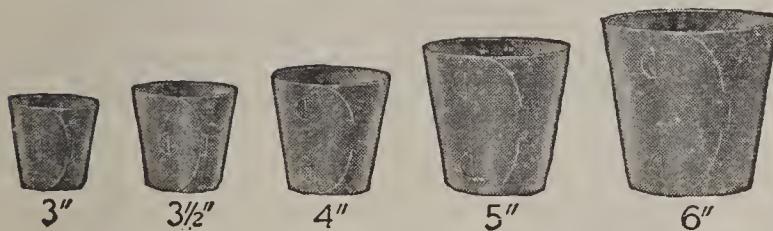
These are light, strong, and durable.

	Stained Green.	Natural, Heavy.	
	100	100	
1½ feet..	\$0 35	4 feet .... \$0 60	\$3 00
2 feet....	40	5 feet .... 75	4 50
2½ feet..	50	6 feet .... 1 00	5 00
3 feet....	60		

## Wood Garden Labels, Painted

	12	50	100	1,000
4-inch.....		\$0 15	\$0 25	\$2 00
4½-inch.....		20	30	2 10
5-inch.....		25	35	2 20
6-inch.....		30	40	2 50
8-inch.....	\$0 20		1 00	5 00
12-inch.....	30		1 50	8 50
3½-inch Tree, copper wired.			35	2 30

## Bird's Red Neponset Flower Pots



These Pots are made of a tough, waterproof paper that gives them lasting strength and they are the most economical for storage, shipping, and miscellaneous purposes. They permit speed in handling, and, if it is desired, it is very easy to remove the plants from them.

Size	In case	Doz.	100	1,000
2¼-inch	1,000 .....	\$0 10	\$0 40	\$3 50
2½-inch	1,000 .....	15	50	3 50
3-inch	1,000 .....	20	60	3 60
3½-inch	1,000 .....	25	75	4 40
4-inch	500 .....	30	90	5 50
5-inch	500 .....	35	1 00	7 20
6-inch	500 .....	40	1 25	9 60

## Bird's Green Neponset Flower Pots

These are superior to any Pot on the market for the actual growing of plants. They are made of tough waterproof paper, eliminating breakage. Not less than a case at 1,000 prices.

Size	In case	Doz.	100	1,000
2¼-inch	1,000 .....	\$0 15	\$0 75	\$6 50
2½-inch	1,000 .....	20	1 00	7 00
3-inch	1,000 .....	25	1 25	8 00
3½-inch	1,000 .....	30	1 50	10 00
4-inch	500 .....	35	1 75	12 50

## Cedar Plant Tub

Painted green; strongest and most durable Plant Tub made.

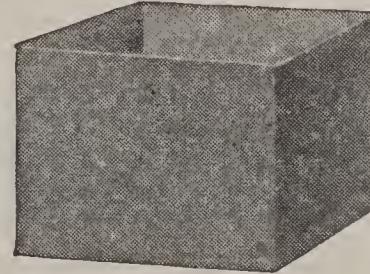
No. 1.	Top outside	Height outside	Each
No. 2.	26 in.	20 in.....	11 00
No. 3.	24 in.	18½ in.....	6 90
No. 4.	22 in.	17 in.....	5 60
No. 5.	20 in.	16 in.....	4 70
No. 6.	18½ in.	15 in.....	3 65
No. 7.	16½ in.	14 in.....	3 25
No. 8.	15½ in.	13 in.....	2 75

## New England Plant Tub

Made of white pine painted inside and out with linseed-oil paint. Finished on the outside in dark green. Hoops are made from heavy wire electrically welded.

No. 1.	Inside diam.	Inside depth	Each
No. 2.	6 in.	6 in.....	\$0 50
No. 3.	7 in.	7 in.....	55
No. 4.	8 in.	8 in.....	60
No. 5.	9 in.	9 in.....	65
No. 6.	10 in.	9 in.....	75
No. 7.	11 in.	10 in.....	1 00
No. 8.	12 in.	11 in.....	1 15
No. 9.	13 in.	12 in.....	1 45
No. 10.	14 in.	13 in.....	1 65
		14 in.....	1 80

## Bird's Black Plant Bands



For starting plants in wooden flats

They are made of the same paper that is used in the Neponset Black Pots and give excellent results in starting plants in flats.

Size	100	1,000
2 x 2 x 2½-inch.....	\$0 40	\$3 00
3 x 3 x 3-inch.....	50	4 10

## Twine and Tying Materials

**White Cotton.** Ball 10 cts.; lb. 42 cts.

**Jute** 2, 3, or 4-ply. Ball 20 cts.; lb. 30 cts.

**Binder.** 5-lb. ball 75 cts.; 8-lb. ball \$1.15.

**Celery Tape.** For tying celery and asparagus. \$1.75 per 1,000 yards.

**Raffia.** Tough and pliable. Lb. 25 cts.

**White Cotton.** 30-ply. Ball 30 cts.

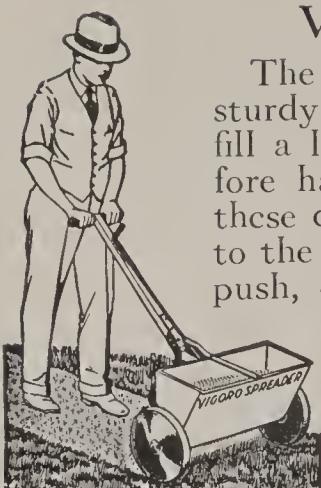
**Linen, Polished.** Ball 30 cts.

**Cotton, Red and White.** Ball 10 cts.; lb. 42 cts.

**Heavy Express.** Ball 30 cts. and 50 cts.

## Miscellaneous Supplies

### Vigoro Spreaders



Jr. Vigoro Spreader

The Vigoro Spreaders are sturdy, simple, economical, and fill a long-felt need. Never before has a Spreader having all these qualifications been offered to the public. They are easy to push, even when the hopper is filled to capacity, and are built to stand long and hard wear. Positive drive—no troublesome gears, ratchets, or other delicate parts to wear out or get out of adjustment. The baffle plate in the hopper relieves weight of material from agitator, and the Spreader applies the same amount of Vigoro whether the hopper is full or only partly full. The discharge control is plainly marked to indicate setting for 4-pound or 2-pound applications per 100 square feet. Shut-off is hand-controlled and the wheels are of the disc pattern.

Made in four sizes as follows:

**Special.** For large estates. Spreading width, 36 in. Hopper capacity, 100 lbs. Price, \$20.

**Standard.** Spreading width, 24 in. Hopper capacity, 65 lbs. Price, \$11.95.

**Junior.** Spreading width, 16 in. Hopper capacity, 35 lbs. Convenient for the average home. Price, \$6.60.

**Model B.** Just the right size for the small home owner. Spreading width, 14 in. Hopper capacity, 15 lbs. Price, \$3.



Have Every Feature You Want  
in a Garden Glove

**All-Leather—DIRT PROOF—Durable  
SOFT — Comfortable — WASHABLE**

*Easy on the hands and easy to wear!*

Economical, too—outwear 6 pairs of ordinary fabric gloves, are washable and can be used the year round for garden, housework, yard, painting, furnace, garage, etc. You'll like them.

Sizes for Women (small, medium, large) for Men (small, medium, large). Price, 75 cents a pair. postpaid (2 pr. \$1.40.)

### Vermorel Eclair Knapsack Sprayer

Simple and compact in construction. Reliable and efficient to the highest degree. A Sprayer that will do a big job with the least effort. No plunger; no complicated mechanism. Copper Tank. \$16.



### HOTKAPS

protect plants against birds, insects, rain, frost, hail, or wind. They force growth and bring maturity 2 to 3 weeks sooner. Yield is increased 10 to 25 per cent. Each **Hotkap** is a miniature hothouse

for the plant underneath.

**Prices:** 5,000, at \$10.15 per 1,000; 1,000 package for \$10.25; 250 package, with one light metal Setter and one steel Tamper, for \$3.85; 100 package, with one light metal Setter and one steel Tamper, for \$2.65; garden package of 25, with paper Setter, 50 cts. Steel Setter and Tamper \$1.50. Garden Setter 50 cts. Steel Tamper 25 cts.

### Garden Hose Insecticide Sprayer



Standard Sprayer; shut-off; transparent cartridge chamber; 12-in. angle nozzle; all-exposed metal chromium plated. \$3.50.

Combination Set: Sprayer with 6 assorted cartridges, \$5.

*All items also sold separately as follows:*

**Angle Extension.** Chromium plated. 36-in. \$1.50.

**Straight Extension.** Chromium plated. 36-in. \$1.50.

**Sub-Surface Feeder and Irrigator.** De luxe finish. \$1.50.

**Transparent Cartridge Chamber and Coupling.** \$1.50.

**Transparent Chamber only.** \$1.25.

**Chromium Plated Cartridge Chamber and Coupling.** \$1.50.

**Arsenate of Lead Cartridge.** 35 cts. each; 6 for \$2.

**Balanced Fertilizer Cartridge.** 35 cts. each; 10 for \$3.

**Bordeaux Mixture Cartridge.** 35 cts. each; 6 for \$2.

**Colloidal Sulphur Cartridge.** 35 cts. each; 6 for \$2.

**Nicotine Cartridge.** 35 cts. each; 6 for \$2.

**P-R Cartridge Pyrethrum-Rotenone.** 35 cts. each; 6 for \$2.

# Sprayers and Pumps

## Hand Dusters

**Niagara Blower Dust Gun.** Well made of good, substantial materials. All moving parts run in ball-bearings. Discharge pipe may be lengthened or shortened. \$16.

**Niagara 1-Quart Duster.** The Niagara 1-Quart Duster is our latest model, and is the same in design and principle as the Niagara 2-Quart Duster. \$1.25.

**Niagara 2-Quart Duster.** The Niagara 2-Quart Duster is a most practical all-round Duster. It is 50 inches long, enabling the operator to dust the undersides of the lowest growing plants without stooping. A flared nozzle for general use, and a special nozzle for Mexican bean-beetle control come with each Duster. This is the Duster for general garden and field-crop use. Hopper capacity approximately 2 quarts. \$2.50.

**No. 408. Lowell Crank Duster.** Steel-cut gears. 2-way nozzle, and 4 15-in. telescoping tubes. \$12.50.

**No. 465. Lowell Hand Duster.** Tin container. 1 upshot and 1 straight nozzle, 2 12-in. extensions. 80 cts.

**No. 367. Lowell Hand Duster.** Tin container. 1 straight nozzle, and 1 12-in. extension. 50 cts.

**No. 415. Lowell Hand Duster.** Glass jar. Capacity 24 ozs. 2 12-in. extensions, 1 upshot nozzle, 1 straight nozzle. \$1.

## Lowell Contender Compressed-Air Sprayer

A valuable Sprayer for all kinds of work with a 3½-gallon capacity tank. Entire top removable. Easy to clean. Fill or repair top can be easily locked into position and when it is in place forms a watertight seal. Furnished in either galvanized or copper tank.

**No. 95G.** Galvanized tank. \$3.

**No. 95B.** Copper tank. \$5.25.



## Myers Whitewash Sprayer R329

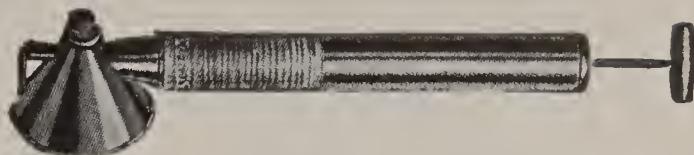
The tank is made of heavy galvanized iron with a wide bottom. Has both jet and dasher agitator. Holds 7 gallons. \$14 each.

## Myers Bucket Pump

This Pump is constructed entirely of brass, a material that is not affected by poisonous arsenates used in the different formulas for spraying. \$4.50.



## Hand Sprayers



**No. 206G. Lowell.** Ribbed glass tank. Capacity 25 ozs. \$1.

**No. 208. Lowell.** Tin tank. Capacity about 1 qt. Continuous spray. 75 cts.

**No. 235T. Lowell.** Tin tank. Capacity about 1 qt. 40 cts.

**No. 235G. Lowell.** Galvanized tank. Capacity about 1 qt. 50 cts.

**No. 215G. Lowell.** Galvanized tank. Capacity about 3 qts. \$1.35.

**No. 240. Lowell Handy.** Tin tank. Capacity about 1 qt. 30 cts.

**No. 250. Lowell Midget.** Tin tank. Capacity about ¾ pt. 20 cts.

## Myers Compressed-Air Sprayers

The tank is made of heavy galvanized iron or brass and the side walls are double seamed, riveted, and soldered; top and bottom extra-heavy material with flanged edge over which the side walls turn and thoroughly soldered.

Myers 2½-gal. Compressed-Air Sprayer with 18-inch Extension Rod and Galvanized Tank, \$5.25; 4¼-gal., with Extension Rod and Galvanized Tank, \$6; 4¼-gal., with Extension Rod and Brass Tank, \$10.50.

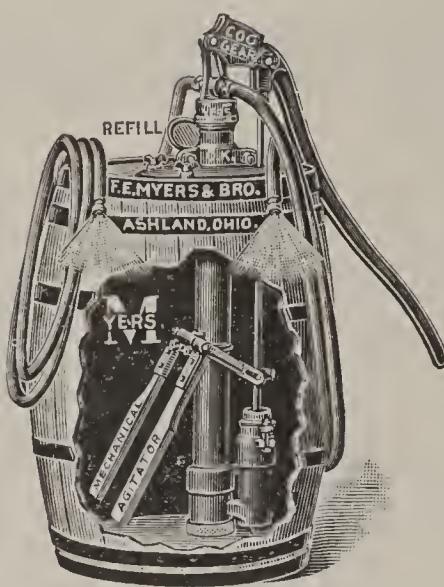


## Myers Knapsack Spray Pump

The Myers New Idea Sprayer is of the very latest design. It is equipped with a real all-brass Pump (no diaphragm), with a jet agitator that keeps the liquid thoroughly mixed. The Pump is fitted with large air-chamber and brass ball valves; is quickly detached from the tank for inspection or repairs. The tank capacity is 4 gallons, with tight cover and removable strainer. Price, Brass Tank, \$21.

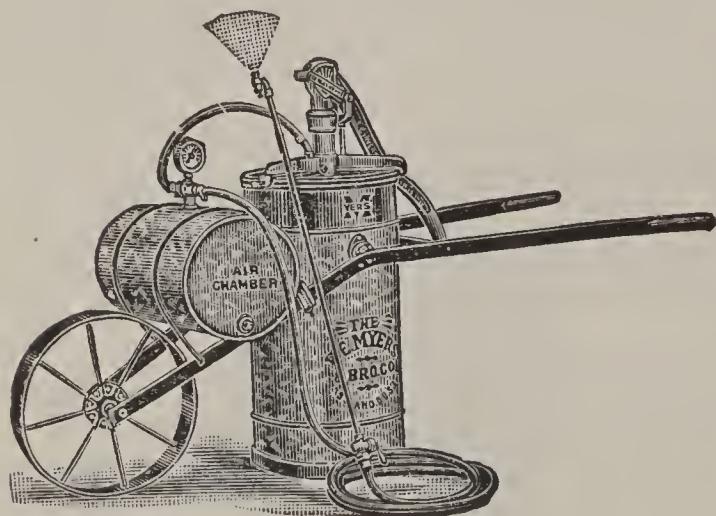
## Spray Pumps

### Myers O. K. Spray Pump



For hot, cold, or any kind of mixture. Sold as a plain Pump if desired, or with one length of Hose mounted on Barrel.

The plunger, a solid brass tube with closed end, is outside packed with hemp packing. Packing gland is adjusted by two bolts. The valve and seat are hard brass. Air-chamber is  $2\frac{1}{2}$  inches. This, in connection with the cog-gear, enables the operator to carry a pressure of 200 pounds or more if necessary. The cog gear increases the leverage  $33\frac{1}{3}$  per cent over the ordinary plain handle. Base is adjustable and is made for end or side of barrel. Price, Plain Pump, \$22.50.



### No. R339½ B Myers Portable Sprayer

Outfit is complete with dasher agitator, hose, 6-gallon air-chamber, and an 8-foot pipe extension, in two 4-foot parts.

The air-chamber assists in keeping up a steady spray with less effort by the operator, and will hold the pressure and continue to spray for several minutes while the operator leaves the pump to cover near-by trees.

Tank is made of heavy galvanized iron thoroughly reinforced at top and bottom by steel bands.  $12\frac{1}{2}$ -gal. capacity.

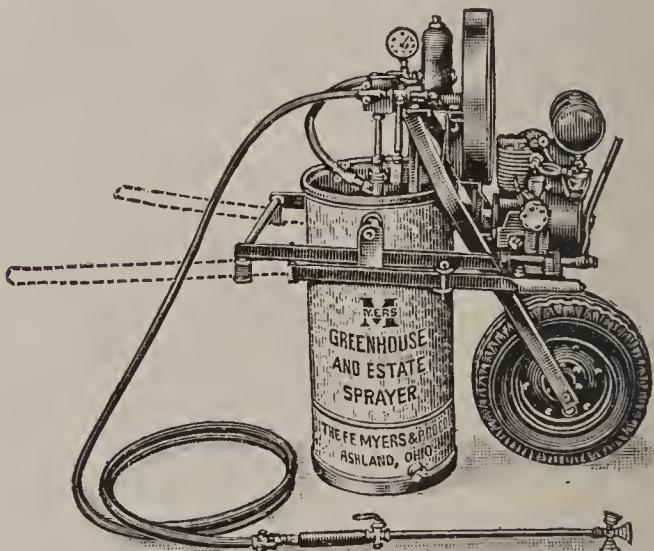
Wheel is  $15\frac{1}{2}$  in. in diameter, with 3-in. tire. Complete as shown, \$42.50.

### Myers Cog-Gear Double-Acting Spray Pump



**R 316 B Pump** complete, 50-gal. Barrel, mounted as shown, with Pressure Gauge, 1 15-ft. lead of  $\frac{3}{8}$ -in. 7-ply Discharge Hose, 1 Fembro (Fig. 1290) Nozzle, 1 8-ft. Pipe Extension, with Lever Shut-off and Mechanical Agitator. Price, \$60.

### Power Operated Sprayer



Engine powered. Also equipped with electric motor for use in greenhouses and other enclosed places

This outfit has been produced to meet a long-felt want. The Pump has a porcelain-lined cylinder with sufficient capacity to deliver a 225-pound pressure with either a Myers Fembro or Vermont Nozzle. It is also provided with a pressure relief valve so that the nozzle may be shut off at any time without stopping pumping. The tank is galvanized and holds  $12\frac{1}{2}$  gallons. Agitation is accomplished by oscillation of the suction pipe. Equipped complete with 15-foot  $\frac{3}{8}$ -inch Hose, Lever Shut-Off, Adjustable Nozzle, 18-inch Pipe Extension, and 300-pound Pressure Gauge.

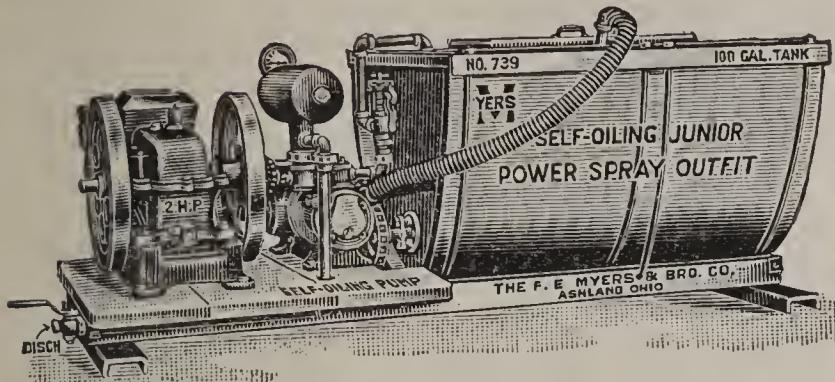
**MGHR.** Electric Drive.....\$88 00

**EGHR.** Engine Drive.....107 00

# Sprayers and Gauges

For other Power Sprayers and Accessories, send for Catalogue S.P. 38

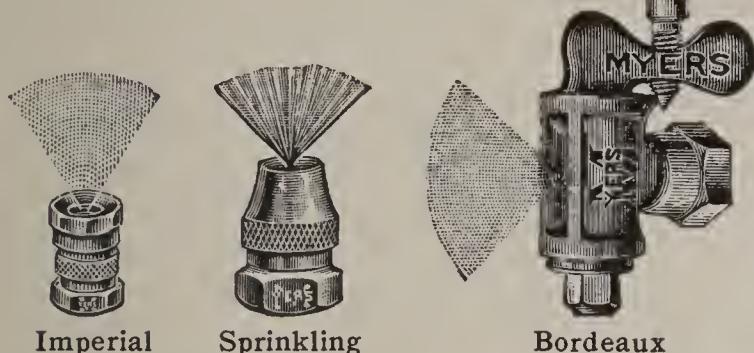
## Myers Self-Oiling Junior Power Spray Outfit



Fitted complete with 3 H. P. Novo Engine, Self-oiling Pump. Equipped with 1 Spray Gun, 50 ft.  $\frac{1}{2}$ -in. High-pressure Hose, Single Cut-off for Discharge Lines, Pressure Gauge, Rotary Agitator, Pressure Unloading Valve, Strainer and Suction Hose, 100-gal. Cypress Tank.

**Special Spray Hose.** See page 44.

$\frac{3}{8}$ "       $\frac{1}{2}$ "       $\frac{3}{4}$ "



### Nozzles For Spraying

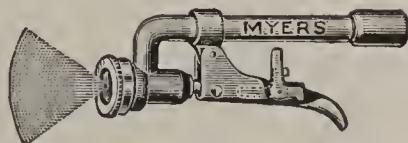
**Bordeaux.** Best for whitewashing. \$1.20.

**Sprinkling.** 35 cts.

**Adjustable Spray-Straight.** \$1.55.

**Adjustable Spray, 45-Degree.** \$1.55.

**Vermorel.** Can be graduated from a fine mist to solid spray. 90 cts.



Adjustable Spray-Straight

**Imperial.** 45 cts.

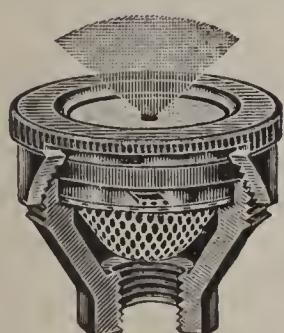


Fig. 2622



Fig. 1290

**Fig. 1290. Fembro.** 75 cts. each.

**Fig. 1559. Fembro,** 45-degree. 85 cts. each.

**Fig. 2622. Jumbo (female).** \$1.10 each.

**Fig. 2752. Jumbo (male).** \$1.20 each.

**Fig. 2963. Jumbo, 45-degree.** \$1.20 each.

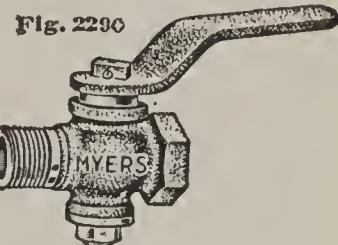
## Myers Fittings for Power Sprayers



**Sure-Grip Couplings.** For  $\frac{1}{2}$ -in. hose, with heavy ribs of sufficient length for power pumps. Complete 65 cts. Female half, 45 cts.



**Sure-Grip Hose Clamps.** For  $\frac{1}{2}$ -in. power spray-hose. Can't slip off. 55 cts. each.



**Single Cut-off.**  $\frac{1}{2}$ -in. \$2.50 each.



**Pressure Regulating Valve.** For power sprayers. \$8 each.

### Pressure Gauges



300 lbs.,  $2\frac{1}{2}$ -in. diam. \$1.65.  
400 lbs.,  $3\frac{1}{2}$ -in. diam. \$3.30.  
600 lbs.,  $3\frac{1}{2}$ -in. diam. \$3.30.

## Myers Spray Gun No. 13



Made entirely of brass and delivers a long-distance spray. The entire range of spray can be controlled by a three-quarter turn of the handle. **Price, \$8.**



## Myers Perfect-Fog Spray Guns

The Myers Triple and Quadruple Perfect Spray Guns produce a fine fog spray with long-distance drive and carry up to 30 feet, depending on pressure and size of hole in the spray-discs.  $\frac{1}{16}$ -in. hole delivers 1 gallon per minute for each nozzle, and  $\frac{5}{64}$ -in. hole, 2 gallons per minute each nozzle.

**Price with 3-nozzle Head, \$10.25**

**Price with 4-nozzle Head, \$11.50**

**Price with 6-nozzle Head, \$14.50**

# Miscellaneous Supplies

## Watering Pots

### Central Galvanized.

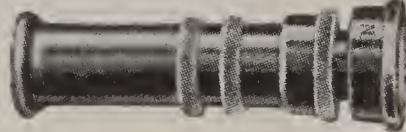
4-quart . . . . .	\$0 80	10-quart . . . . .	\$1 00
6-quart . . . . .	85	12-quart . . . . .	1 25
8-quart . . . . .	90	16-quart . . . . .	1 50

### English Style for Greenhouses.

4-quart . . . . .	4 25	10-quart . . . . .	5 50
6-quart . . . . .	4 75	12-quart . . . . .	5 75
8-quart . . . . .	5 00		

Parlor, Painted.	1-quart . . . . .	50
	Long spout with rose, 2-quart . . . . .	85

## Nozzles for Garden Hose



**Boston Graduating.** Solid stream or spray. 75 cts.

**Flaring Rose.** 60 cts.

**Greenhouse Flat.** 3-in. face, \$1; 4-in. face, \$1.25.

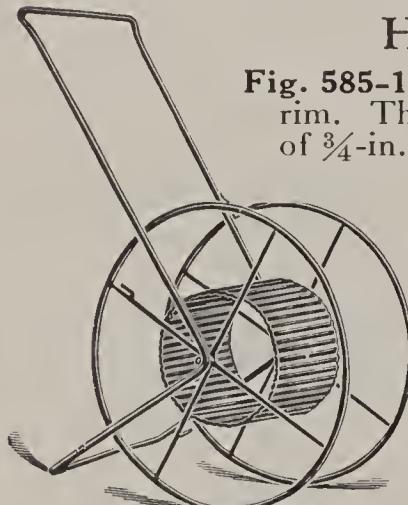
### HOSE MENDERS.

**Clincher.** Sure to stay on as long as the hose lasts. 1/2-in. and 3/4-in. 25 cts.

**Rapid.** Easily pushed into hose but cannot be pulled out. 1/2-in. and 3/4-in. 15 cts. each.

**HOSE WASHERS.** Rubber. Doz. 10 cts.; gross 60 cts.

**HOSE COUPLER, Rain King.** The only Coupler that eliminates 100 per cent of the bother of connecting or disconnecting hose to faucet, hose to hose, hose to sprinkler, or hose to nozzle. 60 cts. each.



Steel Hose Reel

**Fig. 585-1. No. 1.** 21-in. diam. rim. This Reel holds 100 ft. of 3/4-in. or 50 ft. or 1-in. hose. Weight 16 lbs. \$5.

**Fig. 585-2. No. 2.** 24-in. diam. rim. This Reel holds 150 ft. of 3/4-in. Hose or 75 ft. of 1-in. Hose. Weight 17 lbs. \$6.

**Park No. 21.** A tubular iron Reel and frame mounted on steel wheels.

Wheels are 28 in. high. Reel has a capacity of 200 ft. of 3/4-in., 3-ply Hose or 100 ft. of 1-in., 4-ply Hose. \$15.

**Park No. 31.** Of same construction as No. 21, with 34-in. wheels and a capacity of 500 ft. of 3/4-in., 3-ply Hose or 200 ft. of 1-in., 4-ply Hose. \$18.

## Garden Hose

**Bull Dog.** 3/4-inch. 25 ft. \$4.50; 50 ft. \$8.50.

**Vigilant.** 5/8-inch. 25 ft. \$3; 50 ft. \$5.63.

**Leader.** 1/2-inch. 25 ft. \$3; 50 ft. \$5.63.

## Spray Hose

**Milo.** 200 lbs. pressure. 1/2-inch, 13 cts. per ft.

**Non Kink.** 600 lbs. pressure. 1/2-inch, 30 cts. per ft.; 3/4-inch, 37 cts. per ft.

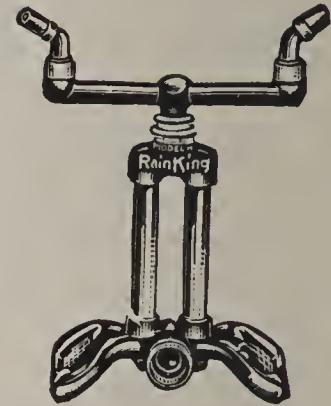
**Super Hi.** 800 to 1000 lbs. pressure. 3/4-inch, 60 cts. per ft.

## Rain King Sprinklers



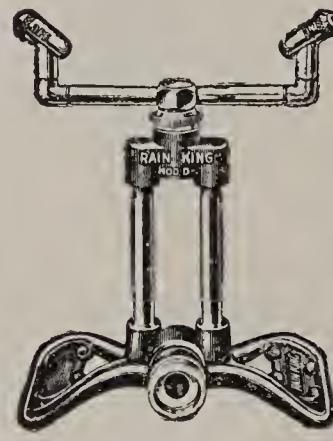
Model G

Throws any known kind of spray over a circle 12 to 65 feet under normal pressure. A quarter of a turn of the nozzle gives you any kind of close-in or far-out spray. Brass arm, upright and nozzle mounted on rich green enameled base. \$3.95.



New Model H

A new chromium-plated Sprinkler with new nozzles designed to throw more water when set for fine spray. Uprights, nozzles, lock wheel, hose connection of solid brass, chromium plated—cannot tarnish or corrode. Arm, head, and base of cast iron finished in rich green enamel. The most beautiful Sprinkler made. Height 11 1/4 in.; width, nozzle to nozzle, 9 in. Shipping weight, 5 lbs. \$3.75.



Model D

What a difference this fine Sprinkler makes in lawn or garden. Patented nozzles can be set easily, quickly for misty shower or for heavy downpour—at your need. Sprinkles on any pressure, revolving or stationary. The gleaming brass nozzles, uprights, arms mounted on a rich red enamel base make it unusually attractive.

Height 9 in.; width 7 1/4 in. Shipping weight, 4 lbs. \$2.85.

## Water-Ballast Lawn Rollers

Adapted for rolling lawns, golf-courses, and tennis-courts. Light running; round edge. No tearing up of sod. Scraper to keep surface clean. The following have roller bearings.

No.	Diam. inches	Length inches	Weight empty	Weight filled	Price
601.	14	24	70	175 . . . . .	\$10 00
602.	18	24	85	265 . . . . .	11 50
603.	24	24	110	420 . . . . .	14 75
604.	24	32	130	565 . . . . .	16 75

## Plain Bearings

605.	14	24	68	175 . . . . .	8 50
606.	18	24	82	265 . . . . .	10 00

## Bates Pattern Well Curb

Much used in the suburbs and country villages as the best method for drawing water from wells.

Curb, complete, including rope, chain, and bucket. \$35.

# Miscellaneous Supplies

## Rubber Bucket Chain Pump

Complete for 10-foot well, \$7.50. Add 30 cts. for each additional foot beyond 10 ft. Curb \$5.50; chain ( $2\frac{1}{2}$  ft. to lb.), 10 cts. per lb.; wood tubing, 15 cts. per ft.; rubber buckets, 10 cts. each.



## Myers House and Yard Pumps

**No. 416. Pitcher.** 3-in. Brass Cylinder, tapped for  $1\frac{1}{4}$ -in. Pipe. \$4.50.

**No. 418. Pitcher.** 3 $\frac{1}{2}$ -in. Brass Cylinder, tapped for  $1\frac{1}{2}$ -in. Pipe. \$5.50.

**R251. House Force.** 3-in. Brass upper and lower Cylinders, tapped for  $1\frac{1}{4}$ -in. Pipe. \$9.50.

**R253. House Force.** As above, with 3 $\frac{1}{2}$ -in. Cylinder, tapped for  $1\frac{1}{2}$ -in. Pipe. \$11.

**RS251. Cistern and Shallow Well.** Same as R251 but with a set length of 4 feet. \$13.50.

**No. 8. Force.** For wells under 25 feet deep. Set length of 4 feet. 3 $\frac{1}{2}$ -in. Brass-lined Cylinder, tapped for  $1\frac{1}{2}$ -in. Pipe. \$19.

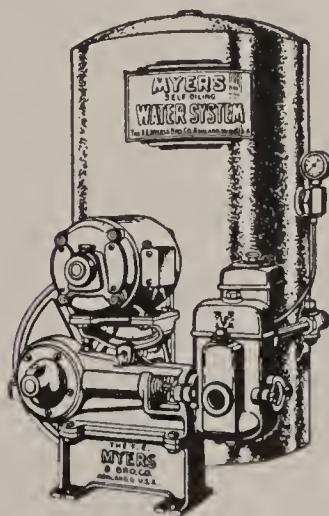
**No. 5. Force.** For wells from 25 to 70 feet deep. 3-in. Brass-lined Cylinder, tapped for  $1\frac{1}{4}$ -in. Pipe. \$19.

**Nelson Pitcher Pump.** Tapped for  $1\frac{1}{4}$ -in. Pipe. \$2.25.

**Red Cross Force Pump.** Tapped for  $1\frac{1}{4}$ -in. Pipe. \$6.

## Myers Electric House Pump

Of all the methods of obtaining water for the home, these Pumps require the least attention. They are designed for operation from any kind of city current or from farm lighting and power systems. Prices quoted on application.



Myers Electric House Pump



Chain Pump



Made in Three Sizes

PER SETTING  
1200 SQ. FT.  
60 X 20

**Three-foot Rain-Maker No. 4900-3.** Coverage, one setting 1200 square feet (60 x 20 feet) and larger, depending on pressure. Discharge 212 to 400 gallons per hour, depending on pressure. Minimum pressure needed, 20 lbs.

PER SETTING  
1800 SQ. FT.  
60 X 30

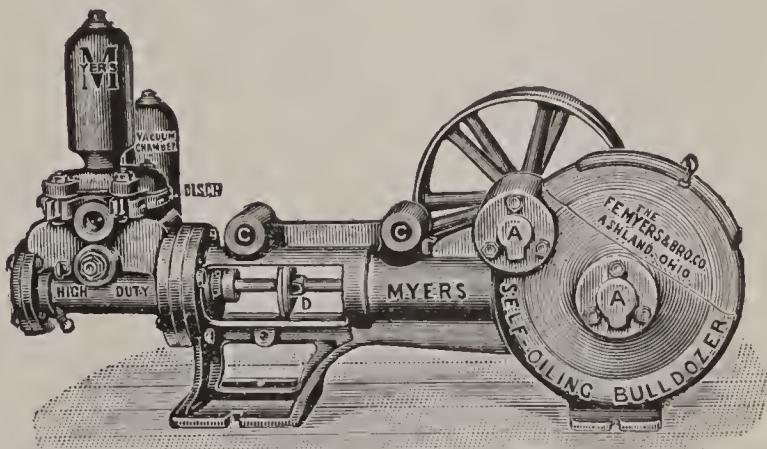
**Six-foot Rain-Maker No. 4900-6.** Coverage, one setting 1800 square feet (60 x 30 feet) and larger, depending on pressure. Discharge 318 to 600 gallons per hour, depending on pressure. Minimum pressure needed, 25 lbs.

PER SETTING  
2400 SQ. FT.  
60 X 40

**Ten-Foot Rain-Maker No. 4900-10.** Coverage, one setting 2400 square feet (60 x 40 feet) and 400 to 750 gallons per hour, depending on pressure. Minimum pressure needed, 30 lbs.



"March" Nozzles and fittings for field irrigation.



## Myers Bulldozer Pumps

In capacities from 500 to 9,000 gal. per hr.

# Steel Goods

Our department in this line is one of the largest in New England and embraces a much larger variety than shown in this Catalogue. We are jobbers as well as retailers, and you can depend on quality as well as reasonable prices.

## Shovels



<b>Long Handle, Round Point.</b>	Each
Ames.....	\$2 15
What Cheer.....	1 75
Bissell.....	1 40



<b>Long Handle, Square Point.</b>	2 15
Ames.....	2 15
What Cheer.....	1 75
Bissell.....	1 40



<b>D Handle, Round Point.</b>	2 15
Ames.....	2 15
What Cheer.....	1 75
Bissell.....	1 40



<b>D Handle, Square Point.</b>	2 15
Ames.....	2 15
What Cheer.....	1 75
Bissell.....	1 40



<b>D Handle Spade.</b>	2 15
Ames.....	2 15
What Cheer.....	1 75
Bissell.....	1 40



<b>D Handle Scoops.</b>	2 50
Ames, No. 2. Polished.....	2 50
No. 3.....	2 65
No. 4.....	2 75
No. 5.....	2 85
No. 6.....	2 90
Sanderson's, No. 2. Black.....	1 90
No. 3.....	1 95
No. 4.....	2 00
No. 5.....	2 10
No. 6.....	2 15



## Garden Rakes

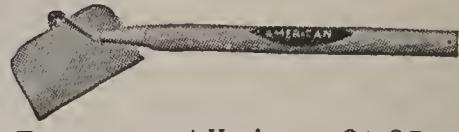
10-tooth.....	\$0 95	16-tooth.....	\$1 20
12-tooth.....	1 00	18-tooth.....	1 30
14-tooth.....	1 10		

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

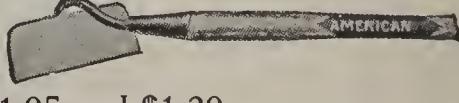
## Hoes



**Rhode Island Pattern.** All sizes. \$1.05 to \$1.25.



**Meadow Pattern.** All sizes. \$1.05 to \$1.35.



**Corn.** \$1.05 and \$1.20.



**Onion.** 95 cts.



**Street.** \$1.35 and \$1.45.



**Clam Digger.** R. I. Pattern. \$1.45.



**Potato Digger.** 6-tine, \$1.35.

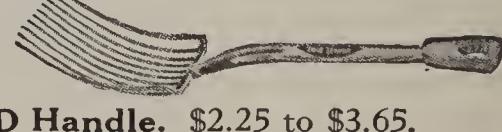
## Forks



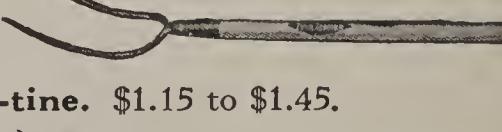
**Manure, D Handle.** 4-tine, \$1.35; 5-tine, \$1.50; 6-tine, \$1.60.



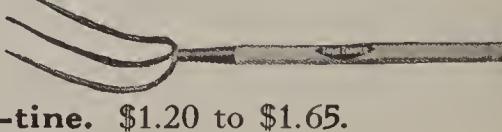
**Spading, D Handle.** Diamond Back. \$1.25 to \$2.50.



**Coke, D Handle.** \$2.25 to \$3.65.



**Hay, 2-tine.** \$1.15 to \$1.45.



**Hay, 3-tine.** \$1.20 to \$1.65.

# Hedge, Border, Pruning, and Grass Shears

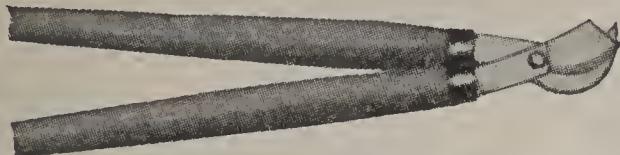
## Hand Pruning Shears

Boker. 75 cts. to \$1.50.

Heinisch. 75 cts. to \$2.25.

Snapcut. \$1 to \$1.50.

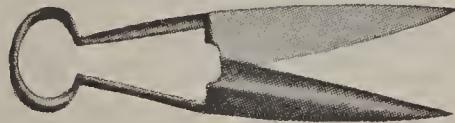
## Lopping Shears



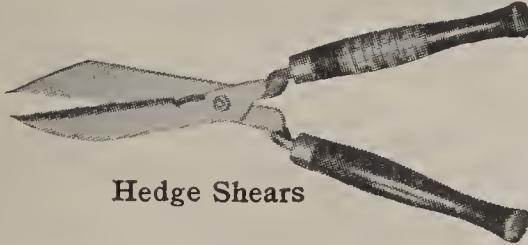
Clyde. Wood handle. \$1.75 to \$3.50.



French. \$2.25 to \$2.75.



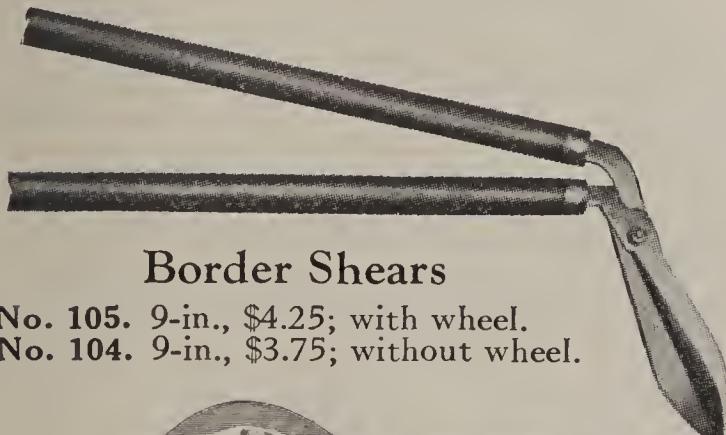
Sheep. 50 cts. to \$1.75.



Hedge Shears

Hand Shears. \$1.25 to \$2.50.

Electric. \$45.



Border Shears

No. 105. 9-in., \$4.25; with wheel.

No. 104. 9-in., \$3.75; without wheel.



Grass Hook

Price, 25 cts. to \$1.50.

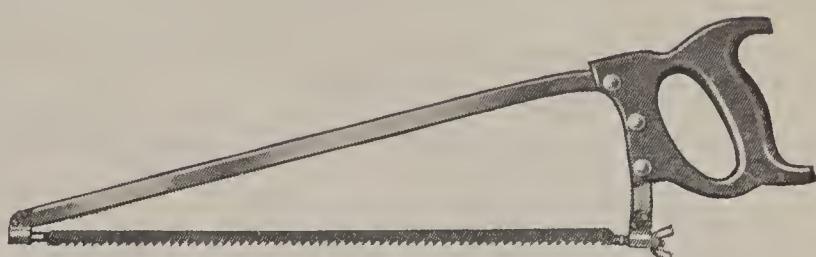
## Mounted Grindstones

Wood Frame, 24 inches.....	\$11 to \$22	50
Wood Frame, 26 inches.....	\$12 to	25 00
Wood Frame, 28 inches.....	\$14 to	27 75
Bicycle.....		13 50

## Unmounted Grindstones

22 x 2½-inch.....	\$5 00	
24 x 2½-inch.....	6 00	
26 x 3-inch.....	7 00	

We carry a complete line of grinders, rifles, and scythe stones for sharpening all kinds of farm tools.



## Saws

**Cross-Cut, Two-Man, Simonds'.** Filed and set ready for use. From \$3 to \$7. Handles, 75 cts. per pair.

**Cross-Cut, One-Man, Simonds'.** With supplementary handles. 3-ft., \$3; 3½-ft., \$3.75.

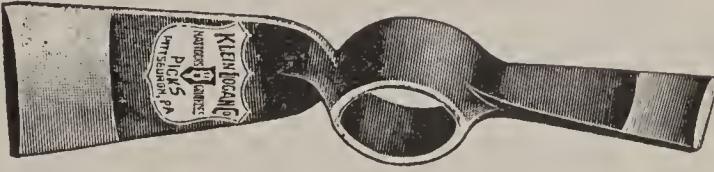
**Pruning.** \$2 to \$3.75.



## Pickaxes

**Railroad, Flat One End.** \$1.

**Contractors', Double-point.** \$1.25 to \$1.35. Handles extra, 50 cts.

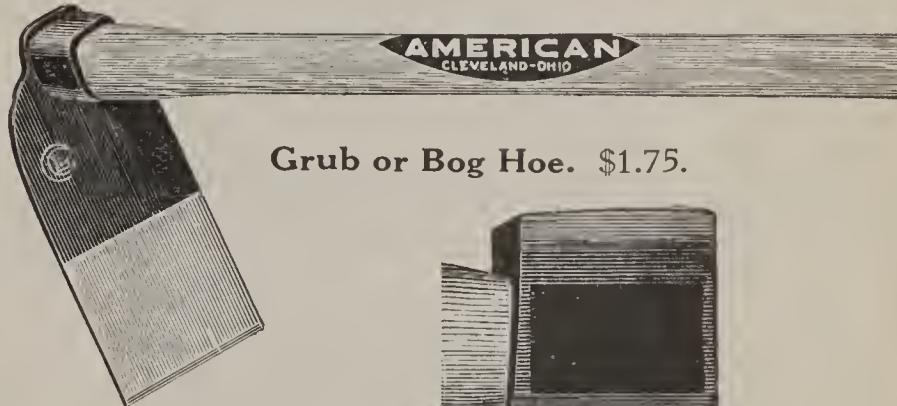


## Mattocks

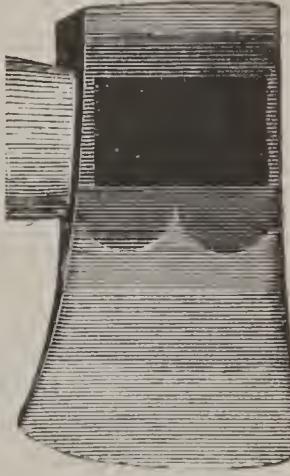
**Long Cutter.** \$1.25.

**Pick, One End.** \$1.25.

Handles extra, 50 cts.



Grub or Bog Hoe. \$1.75.



## Unhandled

**Kelly Axes.** \$1.65.

**Diamond Axes.** \$1.75.

**Handled Axes.** \$2 to \$2.15.



## Long-Handled Pruning Shears

**Lee's.** 6-ft., \$1.25; 8-ft., \$1.40; 10-ft., \$1.60; 12-ft., \$1.75; 14-ft., \$2; 16-ft., \$2.25.

# Miscellaneous Supplies

## Handles

**Hay Fork.** 25 cts. to \$2.25.

**Manure Fork, Long.** 55 cts.

**Manure Fork, D Handle.** 75 cts.

**Hoe.** 30 cts.

**Pick.** Oak and walnut. 50 cts.

**Axe.** Many styles. 40 to 50 cts.

Also a full line of other Handles that goes with our business

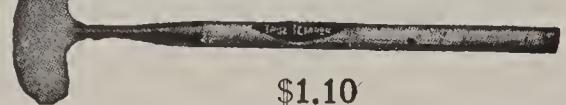
## Bush Hooks



**Collins.** (Illustrated.) \$2.

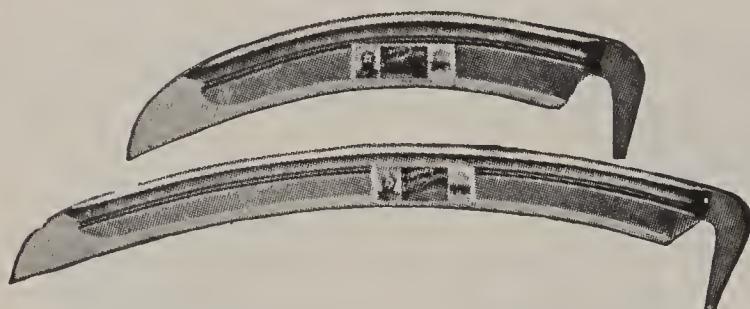
**Little Giant.** Two in one. \$2.

## Edging Knife



\$1.10

## Scythes



We have a reputation for selling the best grade of Scythes on the market.

**Clover Leaf.** \$1.50.

**Little Rhody.** \$1.75.

**Lawn, Bramble, and Bush.** \$1.75.

## Snaths

The celebrated swing-socket.

**Grass, Ash.** \$1.50.

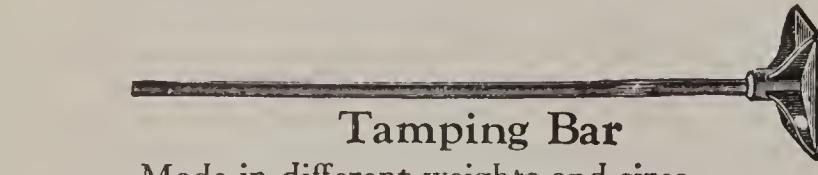
**Bush, Ash.** \$1.75.



## Tamping Bar

Made in different weights and sizes.

8-inch ..... \$1 75 | 10-inch ..... \$2 00



## Weeders

**Planet Jr. Hand Weeder.** 50 cts.



**Beet Hoe.** 25 cts.

**Magic Weeder and Hoes.**

Save time and do the work with half the labor.

**BB.** 36-in. handle, with 3 tines. 25 cts.

**C.** 5½-in. handle, with 4 tines. 15 cts.

**D.** 6-in. handle, similar to C but with hoe-blade. 25 cts.

**H.** 48-in. handle, with 4 tines and hoe-blade. 90 cts.

**Sure Grip Dandelion Weeder.** \$1.25.

**E. L. 4.** 4-ft. handle, with 3 tines. 60 cts.

## Trowels

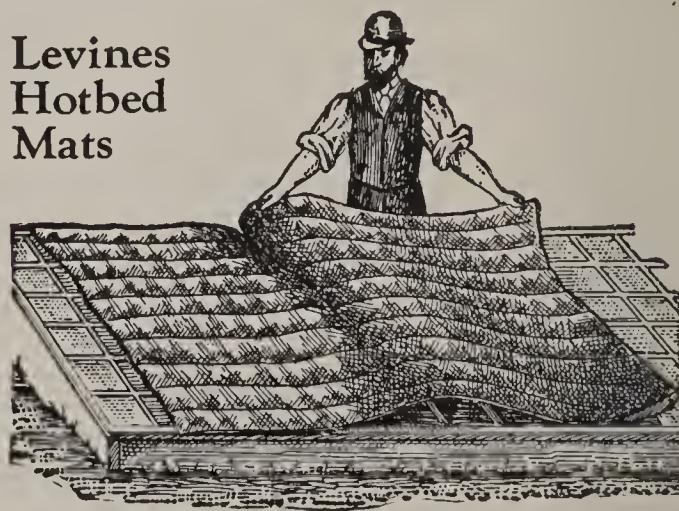
10 cts. to \$1.50.



## Norcross Hand Garden Cultivator

Its work equals that of the highest-priced wheel plow on the market. With its low price, it sells to those who have but a small home-garden. It is made of first-class material, the shovels forged from steel prongs. It can be entirely taken apart, every part being detachable. Three sizes, 50 cts., 90 cts., and \$1.15.

## Levines Hotbed Mats

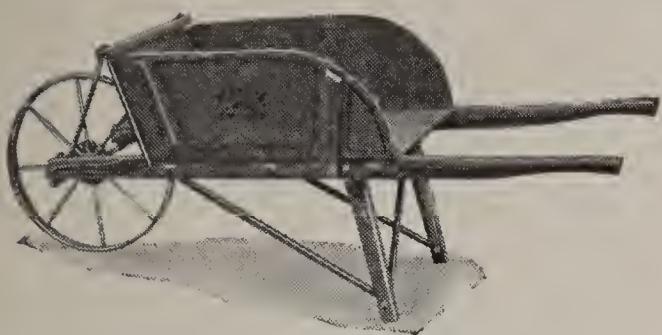


Made expressly for winter covering of hotbeds, coldframes, plants, and seeds of all kinds. Will not harbor mice or vermin. Easily handled. Dry out quickly after rain. Have been in practical use for years. 76 x 84 in. Burlap both sides, \$3; canvas and burlap, \$4.50; canvas both sides, \$6.50; all canvas, with 4 grommets, \$7.25.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

# Miscellaneous Supplies

## Wheelbarrows



### Garden, New England Pattern

No. 5. Medium size. \$5.  
No. 63. Small size \$4.50.  
No. 64. Medium. Body 26 inches long, 19-inch front width, 22-inch rear width. \$6.50.  
No. 65. Large. Body 27½ inches long, 20-inch front width, 22-inch rear width. \$7.25.  
No. 64, with 16 x 4-inch pneumatic rubber tire, \$12.50.

### Contractor's Barrows

#### Steel Trays

M3½. 3½ cubic feet. \$8.  
M4. 4 cubic feet. \$8.50.  
Middy. 3 cubic feet. \$4.50.

### Three-Wheel Hand Cart

#### (With Springs)

Body 43 inches long, 28½ inches wide, 10 inches deep, outside measurements. \$26.  
Ask for specifications and prices of other styles.

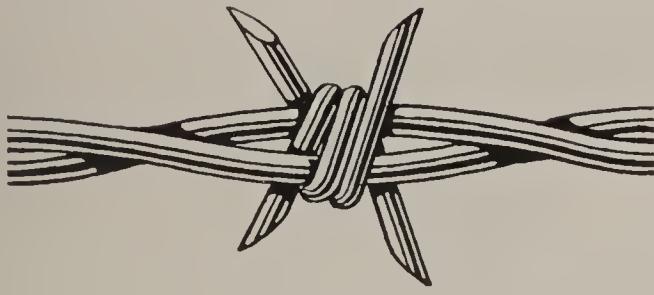
### Water-Barrel Truck

Has 3½-inch-tired steel wheels. Barrels with trunnions attached can be picked up by merely raising and lowering the Truck handles. Weight is evenly balanced on the axles.

Combination Water-Barrel and Truck, complete with Barrel. \$23. Truck only, \$18.

### Leaf Racks

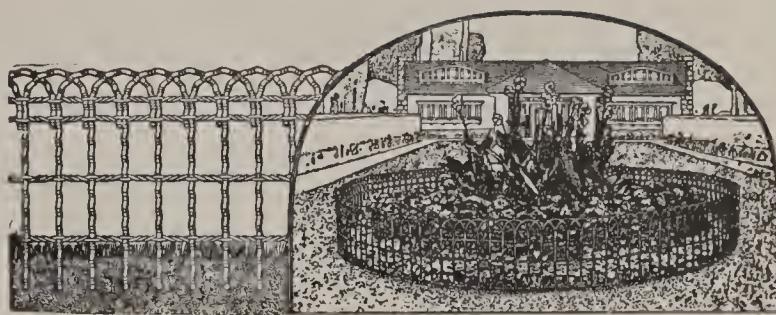
To fit garden type wheelbarrow. Wood, \$12; wire, \$8.50.



Barb wire

### Garden Gates

Low-priced, strong, durable.  
36, 42, and 48 inches are popular heights.  
Market price.  
Write for prices on 8-, 10-, 12-, 14-, and  
16-foot Farm Gates.



### Flower Guard

Protects flower-beds in lawns, parks, and boulevards. Keeps out children, also chickens, dogs, cats, etc. Fabric may be cut to any desired length to fit any shape or size of flower-bed.

Pickets No. 9, cables No. 13 heavily galvanized wire. Made in two heights, 16- and 22-inch. Market price.

### Lawn Fence

Style "F" fabric is sanitary and attractive. It opens up the view, making gardens, lawns, and playgrounds possible.

Pickets are all No. 9 heavily galvanized wire, woven perfectly even, chicken-tight, and spaced 2⅛ inches apart at the top and 1⅓ inches at the bottom.

Best heights are 36, 42, and 48 inches. Market price.



### Field Fence

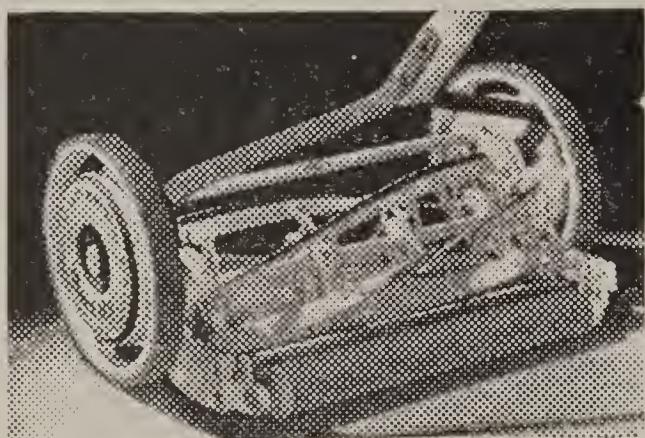
A complete line and sizes. Send for literature and prices.

# Lawn Mowers

## Worcester Lawn Mowers

The Worcester Lawn Mowers of today are the result of more than half a century of engineering and manufacturing skill with one idea in mind: to give the public the best Lawn Mower possible to make. The present product, in design, construction, and performance, is the attainment of that ideal. Their smooth, even cutting and long-wearing, easy-running qualities have won the approval of users throughout the world. Late modern refinements include insulation of drive-wheel rims and other parts to prevent breakage and reduce the noise of operation. Worcester quality insures perfect satisfaction.

### Quiet-Mo DeLuxe, Ball Bearing



Rubber drive-wheel treads provide much better traction and prevent breakage. The front brace is rubber covered, to prevent injury to young trees, shrubs, curbings, etc. Roller is also rubber covered for quiet operation and to give longer wear. There is no finer Mower available for estates, parks, cemeteries, etc. 10-inch rubber-tired wheels; 5 blades. 15-in. cut, \$17; 17-in., \$18; 19-in., \$19.

### Quiet-Mo Standard, Ball Bearing

The thick, cushion, rubber-tired wheels and rubber-covered roller make this Mower quiet and free running. Especially suitable for the home-owner desiring a better Mower at a moderate price. 10-inch rubber-tired wheels; 5 blades. 16-in. cut, \$14.50; 18-in., \$15.50.

### Quiet-Mo Junior, Ball Bearing

The Junior Quiet-Mo is a light-weight, well-built Mower of the open-wheel, open-frame type of construction, equipped with the clincher-rim rubber treads on drive wheels. A quiet, free-running Mower for all general work. Good quality at a moderate price. 10-inch rubber-tired wheels; 5 blades. 16-in. cut, \$9.60; 18-in., \$10.

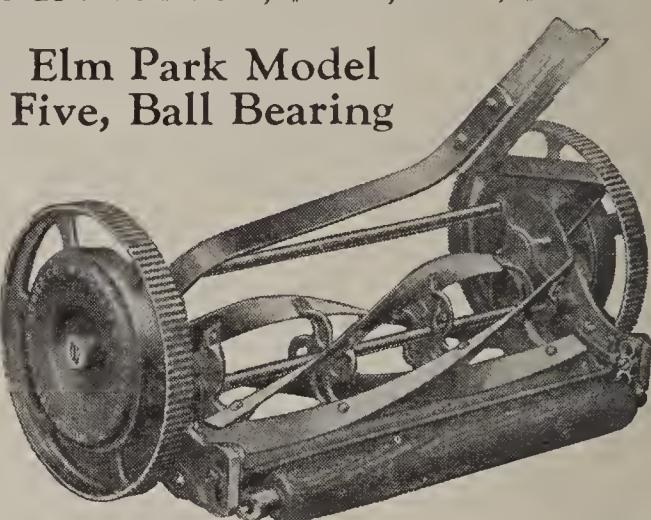
### Wizard Ball Bearing

This is a good-grade, well-built Mower with closed wheels and sides. The 5-blade style has a high-frequency of cut and produces a fine finish to the lawn. 9-inch wheels, closed style; 4 blades, 16-in. cut, \$6.75. 5 blades, 16-in. cut, \$7.15; 18-in., \$7.50.

## Super Elm Park, Ball Bearing

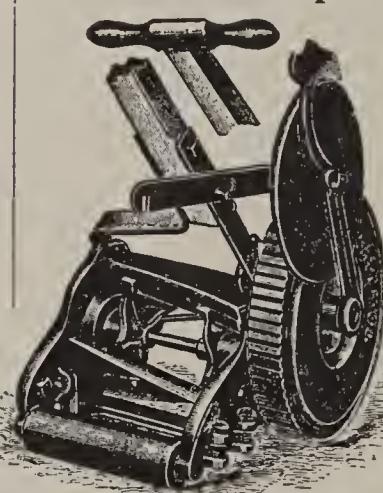
A medium-weight, average-priced Mower of very fine quality. Especially suitable for the home-owner who expects his Lawn Mower to do perfect work and at the same time handle nicely and run freely. 10-inch wheels, closed-type; 5 blades. 16-in. cut, \$11.50; 18-in., \$12.25.

### Elm Park Model Five, Ball Bearing



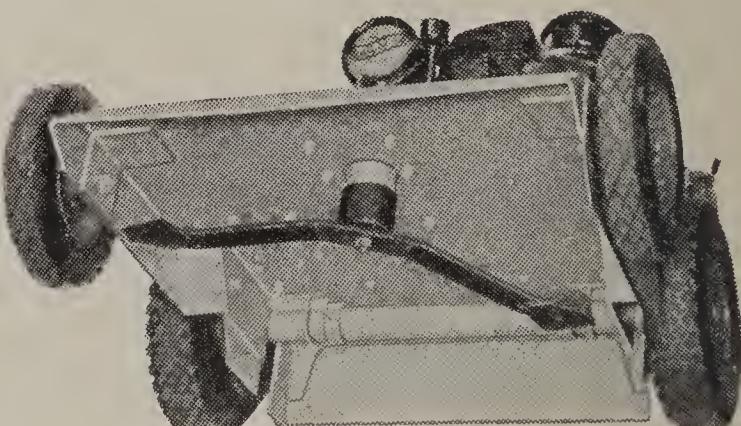
A well-built Mower of the closed wheel and frame type. Medium weight and moderately priced. A free-running Mower recommended for all general mowing. The five-blade cutter insures a smooth, even cut. 10-inch wheels, closed type; 5 blades. 16-in. cut, \$8.25; 18-in., \$8.75.

### The "Capitol" Lawn Edger



This machine should be in the hands of every man who has a lawn to cut and trim. It does work no other machine can do and finishes the work undone by a lawn mower. It trims and edges lawns with remarkable speed and accuracy, and the little plow forms a drain in gravel walks, driveways, and around flower- or shrub-beds. Made in one size only. \$7.50.

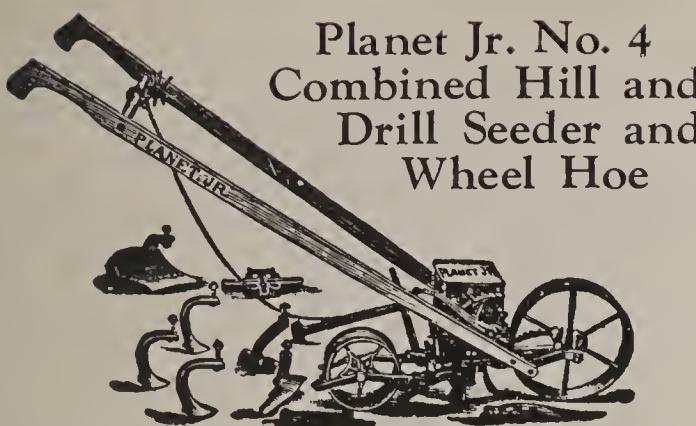
### Whirlwind Power Mower



This great Mower not only cuts right up to and under shrubbery but pulverizes the clippings, leaving a fine mulch which feeds the grass with the elements removed by growth. The Whirlwind saves a lot of time by cutting forward or backward, a great help in bad places. It is the one Mower that gives you more than you expect, a thorough job in one operation.

Made in three sizes, prices on application

# Planet Jr. Garden Tools

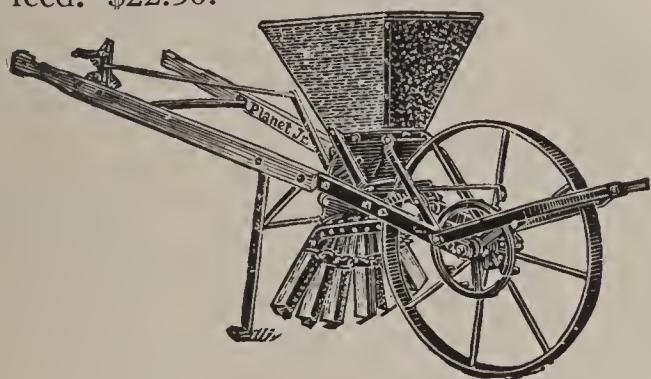


**Planet Jr. No. 4  
Combined Hill and  
Drill Seeder and  
Wheel Hoe**

This is a practical, every-day, time-, labor- and money-saver. It sows in continuous rows with great uniformity and drops with accuracy in hills 6, 8, 12, or 24 inches apart. Can be converted into a Wheel Hoe by removing the hopper and attaching the Wheel-Hoe parts. The hopper holds 2½ quarts of seed. \$18.75.

## Planet Jr. No. 25 Hill and Drill Seeder and Wheel Hoe

This new combined machine is intended for gardeners who have enough acreage in crops for a double Wheel Hoe to be used to good advantage, and yet prefer not to buy Seeder and Wheel Hoe separately. As a Seeder it is practically the same as the No. 4, having the hill-dropping mechanism and automatic device for stopping the feed. \$22.50.



**Planet Jr. No. 220  
Fertilizer Distributor**

The No. 220 is a hand machine that will handle any commercial fertilizer and distribute it evenly. It will distribute in the middle of three rows 14 inches apart, or it will side-dress one side each of two rows up to 36 inches apart. The quantity of the fertilizer can be regulated from 200 to 2,000 pounds per acre. \$28.75.

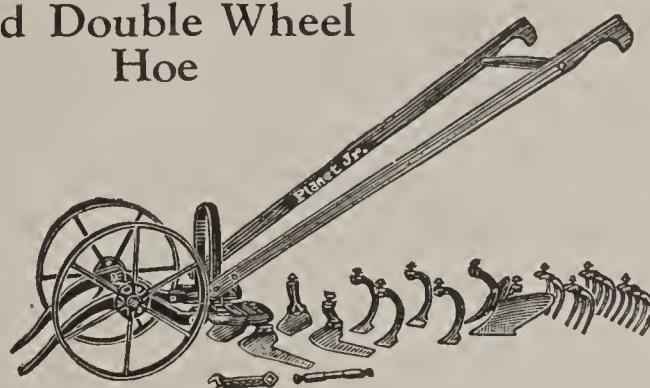
## Planet Jr. No. 12 Double Wheel Hoe

This is the same as the No. 11 with 6-inch Hoes only and no rakes. Any or all of the attachments of the No. 11 may be added at any time. \$11.50.

## Planet Jr. No. 13 Double Wheel Hoe

This is the simplest form of the Double Wheel Hoes, having the pair of 6-inch Hoes only. Other parts used on the No. 11 may be added if desired. \$8.75.

## Planet Jr. No. 11 Combined Single and Double Wheel Hoe



This is the most completely equipped of the Planet Jr. Wheel Hoes, and will do the widest range of work. Especially recommended for large gardens. The equipment consists of 1 pair 6-in. Hoes, 1 pair 4½-in. Hoes, 4 Cultivator Teeth, 1 pair Plows, 2 3-tooth Rakes, 2 5-tooth Rakes, and 2 Leaf-Lifters. \$14.50.

## Planet Jr. No. 16 Single Wheel Hoe

These Single Wheel Hoes are the highest of their type, and there is scarcely any garden culture of which they are not capable. The equipment consists of 1 pair 6-in. Hoes, 1 5-tooth Rake, 1 3-tooth Rake, 1 Plow, 3 Cultivator Teeth, and 1 Leaf-Guard. \$8.75.

## Planet Jr. Nos. 17, 17½, and 18 Single Wheel Hoes

**No. 17.** Equipment: 1 pair 6-in. Hoes, 1 large Plow, and 3 Cultivator Teeth. \$7.75.

**No. 17½.** Equipment: 1 pair 6-in. Hoes, 3 Cultivator Teeth. \$6.75.

**No. 18.** Equipment: 1 pair 6-in. Hoes only. \$5.75.



**Planet Jr. No. 119  
Cultivator and  
Plow**

The No. 119 Wheel is 24 inches in diameter, very strong, and pushes easily in rough ground. The Plow opens a good furrow, covers equally well, and can be used for plowing growing crops and hilling up. The equipment consists of 1 1¼-in. Cultivating Tooth, 1 4-in. Cultivating Tooth, 1 Plow. \$3.85.

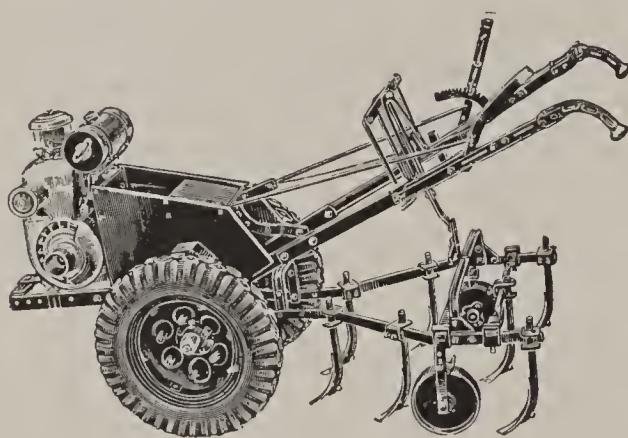
# Farm Implements

No. 300 Planet Jr.  
Drill Seeder



A very efficient plate Seeder intended primarily for the market-gardener and large vegetable grower. Designed for any soil, heavy, sandy, or muck. It has a 15-inch wheel with 2½-inch face, making for a maximum of ease in pushing and minimum of sinking in light muck soil. \$20.

The Planet Jr. Garden Tractor

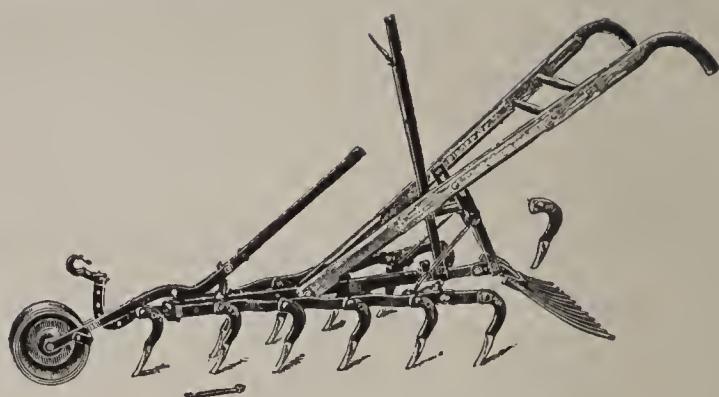


To succeed today, the man who is raising row-crops for a living must have the most efficient equipment. The new Planet Jr. Tractor has more power, better traction, more efficient transmission, better clutch, and a cultivator frame quickly adaptable to a greater variety of work. It will reduce costs for any farmer raising truck-crops. The Tractor will do as much as fifteen or more men with wheel hoes. It will replace a horse for almost any job, and has to be fed only when it is working. The Planet Jr. is built ruggedly enough to stand the abuse and overloading such a machine always gets. A trial will convince you.

In addition to all the above ways in which a Planet Jr. can reduce your operating costs, there are other ways it can be useful. It is equipped with a belt pulley with which you can operate a saw, pump, separator, or anything else which can be operated by a stationary motor.

You can also attach a cart or trailer to the tractor and use it for hauling.

*Send for special bulletin*



Planet Jr. 12-Tooth Harrow and  
Cultivator

With the 12-tooth Harrow you go as deep or shallow as you like, come close to the row without injuring the plants, cut out the weeds, stir the soil, and mellow and fine it as with a garden rake. A special favorite with market-gardeners, strawberry-growers, and truckers.

No. 9 Planet Jr. Horse Hoe



Popular because of its strength, lightness, easy change of width, and perfection of work. Will stand incredible strain; you can cultivate to any reasonable depth and adjust for any useful width.

Planet Jr. No. 8 Horse Hoe

Similar to the No. 9 except that it has a depth-regulator and lever wheel, handle adjustment up or down for height, and an important side adjustment.

Planet Jr. No. 7 Horse Hoe

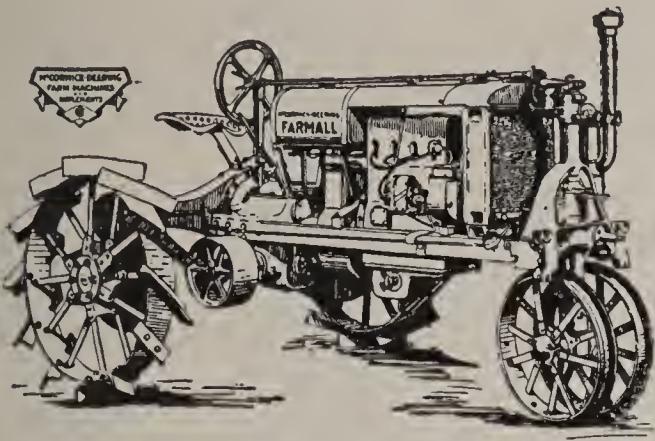
Same as the No. 8 without the depth-regulator. It works the same as No. 8 in every way except that it lacks the steadiness and easy control of depth made possible by the depth-regulator.

Planet Jr. No. 83 7-Tooth Plain  
Cultivator

The 7 teeth are 2¼ inches wide and their work is finer and more thorough than the 3-inch teeth used with the above Cultivators. Finishes all rows up to 42 inches apart and will work the middle courses in one passage. Can be run deep or shallow.

# Farm Implements

## McCormick-Deering Farmall Tractors F14, F20, F30



The Farmall is a triple-power Tractor supplying power on the draw-bar, belt, and power take-off. This Tractor will do all the work of the ordinary Tractor, and, in addition, do the planting, cultivating, and mowing. The steering mechanism enables short turns to be made quickly and at ease. The Tractor can turn in a circle having an 8-foot radius.

## McCormick-Deering Spreader



Making money from increased crop-production is the result of proper application of manure to the soil. This can be done with a McCormick-Deering Spreader. The McCormick-Deering has quality, it is efficient, dependable, and will last for years. The low box makes loading easy, and requires only two horses to pull its capacity load.

## Syracuse Chilled Plow

The Syracuse Chilled Plows are made of the very best of material and are of correct design and most careful workmanship.

No. 452 has a hardened steel moldboard with chilled landside and removable shin-piece. It has a capacity of from 5 to 7½ inches deep and 10 to 13 inches wide.

No. 32 is similar to No. 452, but has a longer beam and handles and has a steel landside with chilled iron shoe. The capacity is the same as No. 452.

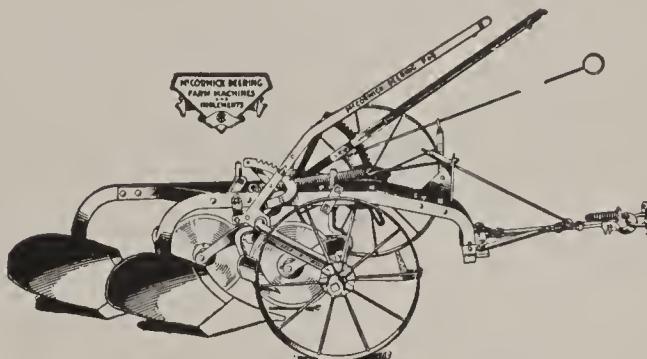
## Repair Service

It is our endeavor to carry at all times a full line of replacement parts for machines we sell, thus trying to avoid vexatious delays to our customers in supplying parts needed.

## M'CORMICK-DEERING FARM MACHINES AND IMPLEMENT



## McCormick-Deering Tractor Plows



Sturdiness and dependability are combined with light weight, light draft, and low price in these Plows. Parts subject to strain are heat-treated and weight placed only where necessary. Plenty of clearance between bottoms and under beams, enabling the Plows to do good work on trashy ground. Can also be supplied in Single-Bottom, 18-in., for cornborer control.

## McCormick-Deering Hillside Plow

These Plows are equipped with steel molds and chilled shares. The beam is of two flat bars trussed together to form a beam that is both light and very strong. Molds are of good length and of correct design. No. 208, One-Horse, has a capacity of 5 by 10 inches; No. 210, Two-Horse, 7 by 14 inches.

## McCormick-Deering Fertilizer Distributor

Two sizes: 7- and 9-foot

These Sowers will distribute evenly all kinds of commercial fertilizers in quantities of approximately 10 to 2,350 pounds. A desirable feature is that the distributing parts of the machine can be taken completely apart, cleaned, and reassembled in from five to ten minutes' time. The bottoms are lead-coated, to resist the corrosive action of the fertilizer. They can also be used as broadcast seeders for the common varieties of grain, such as wheat, oats, barley, etc.

# Dairy Supplies **LOUDEN** Farm-Building Equipment

## LOUDEN'S THE LEADER

Since 1867, when William Louden invented the first hay carrier, Louden farm-building equipment has been the leader. Louden was not only first in the field but pioneered practically every improvement. When you buy Louden you are sure you are getting the most advanced equipment, as well as the highest quality it is possible to obtain.

## VENTILATION

Complete farm-building ventilation systems available. Both gravity and natural draft and electric. Each system is "tailor made" for your building. Quotations cheerfully given.

## WATER BOWLS

Water Bowls will increase your production and in most cases pay for themselves the first year. A necessity for the modern dairyman. Several styles—for horses and cows.

## LITTER CARS

"Clean out" faster and easier with a Louden Litter Car. Rigid or cable tracks available. Four sizes. There's a Louden Litter Car for every purse. Send for prices and more information.

## STALLS AND STANCHIONS

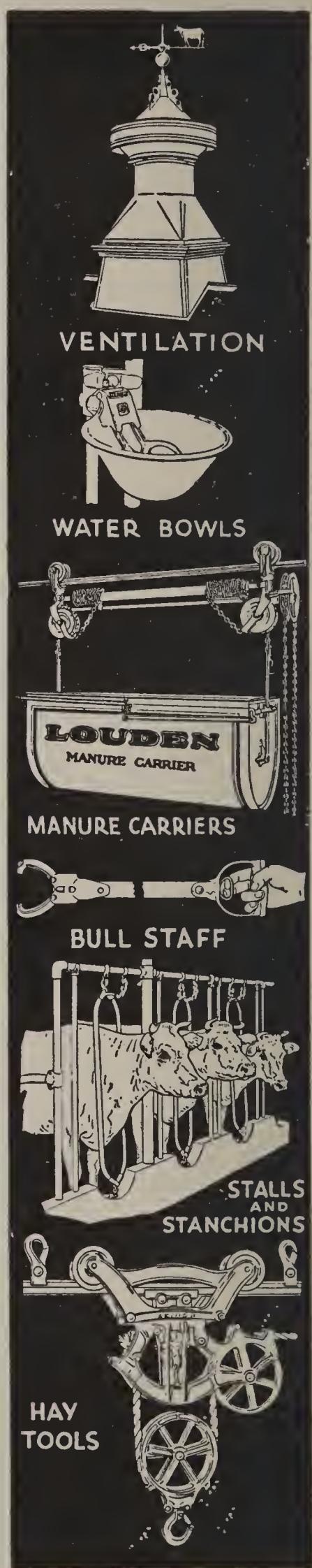
Every type of steel Stall and Stanchion—arch Stall—lever Stall—go right Stall—single post—double post—side post. Tubular, U-bar, wood-lined, adjustable Stanchions.

## HAY TOOLS

Complete line of Hay-Unloading Tools—fork carriers, sling carriers, wood-track carriers, cable cars, pulleys, forks and slings. Carriers will fit your track.

## PLANS—CATALOGS—PRICES

Free plans for those who contemplate improvements. Send for 160-page catalog if you expect to buy barn equipment. Prices for Louden equipment gladly given on request.

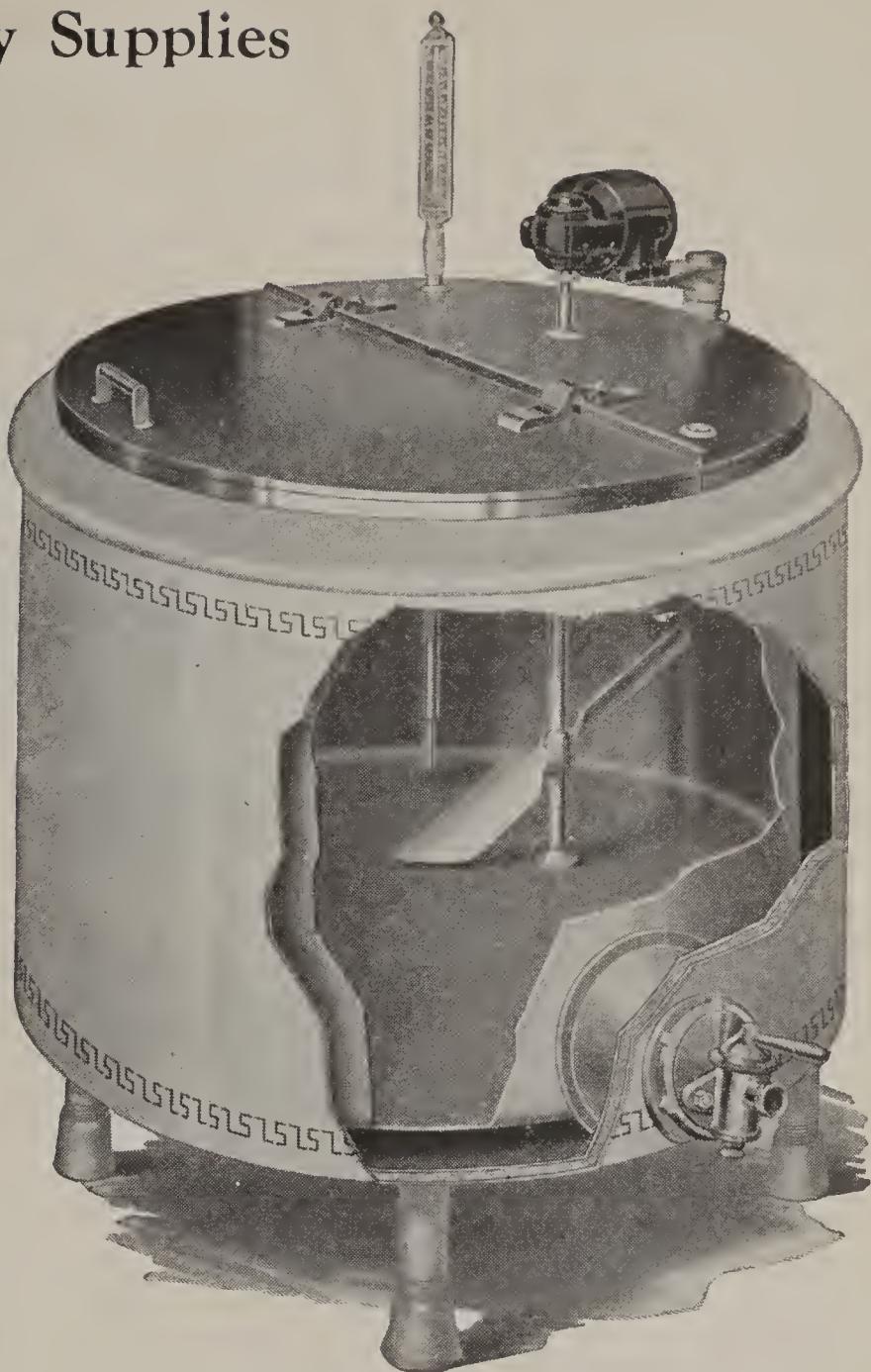


# Dairy Supplies

## O. & B. Purity Pasteurizers

These machines represent the last word in efficiency. Made in sizes from 20 to 300 gallons, they are constructed of the finest materials. They have a patented method of heating that results in a finer quality of milk processed. We solicit an opportunity to acquaint anyone interested with their many points of superiority. They are available in both round and oblong models.

Constant improvement in the complete O. & B. Purity line of milk handling equipment has been the order of the day since the factory was started in 1873. Improvements in the pasteurizer line have been especially noticeable, particularly since these machines are coming into such extensive use. After all, the important thing in pasteurizing is the quality of milk which you can deliver to your customer. Most pasteurizers will comply with the law in general features, but they are more liable to spoil the flavor and change the cream line.



O. & B. Purity Pasteurizer

## The American Dairy Recording Thermometer

Every day the bulb of your Recording Thermometer must be removed, cleaned, and replaced. Only the American is provided with a flexible, stainless steel stem, proof against corrosion and breakage. Investigate before buying.

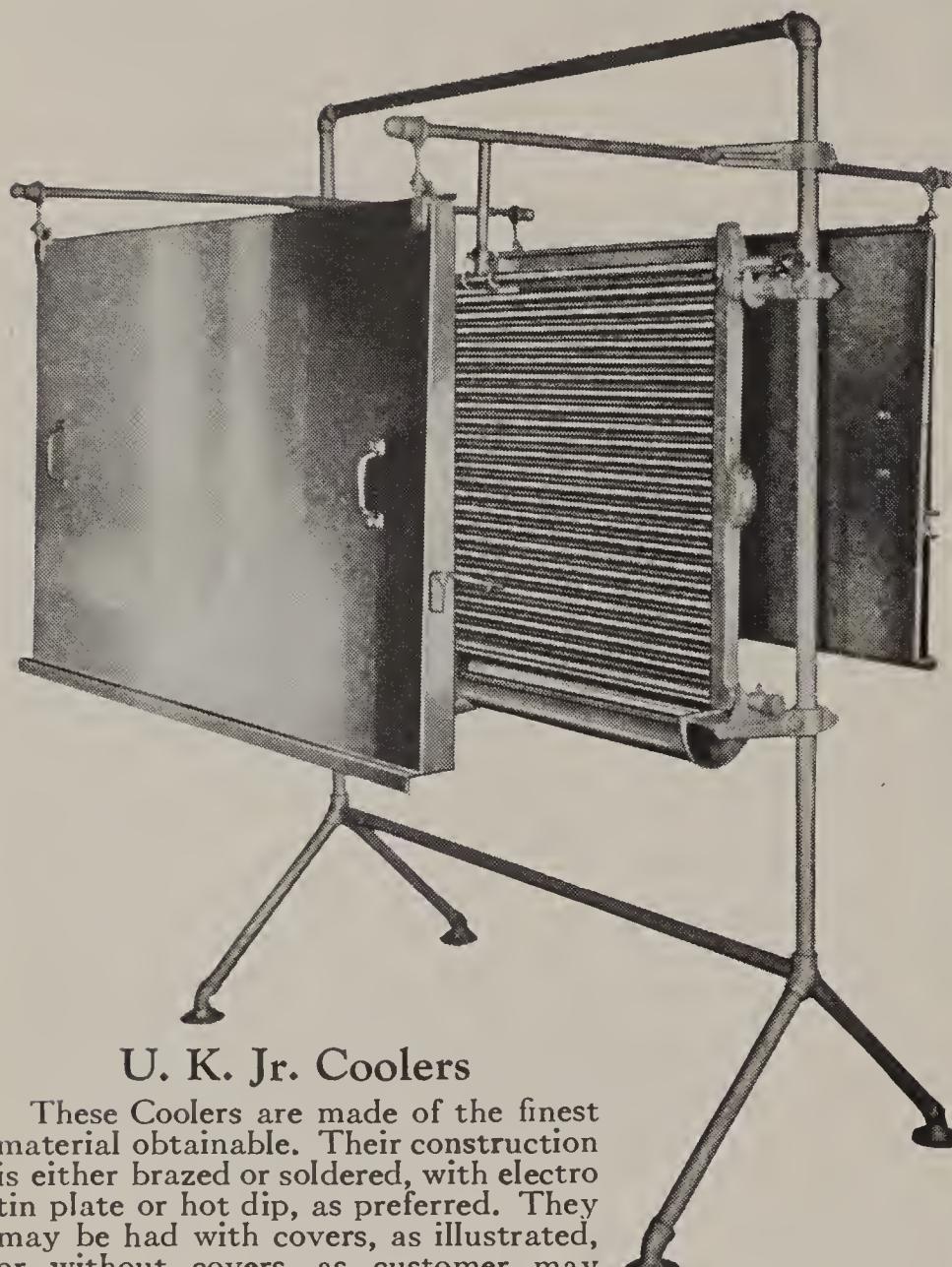
## JOHNSTON CROSS-TUBE VERTICAL BOILERS



These Boilers represent a radical advance in Boiler construction. They have all the good points of vertical-tube Boilers and avoid many of the faults found in others. They have a large fire-box, allowing more perfect combustion, resulting in greater economy; no flues to brush out, therefore easier to take care of. The tubes are always submerged in water which results in longer life. These Boilers are made in sizes from 3 to 22 h.p.

We also sell the familiar O. & S. Boiler, which needs no introduction, in both vertical and horizontal models of all sizes

# Dairy Supplies



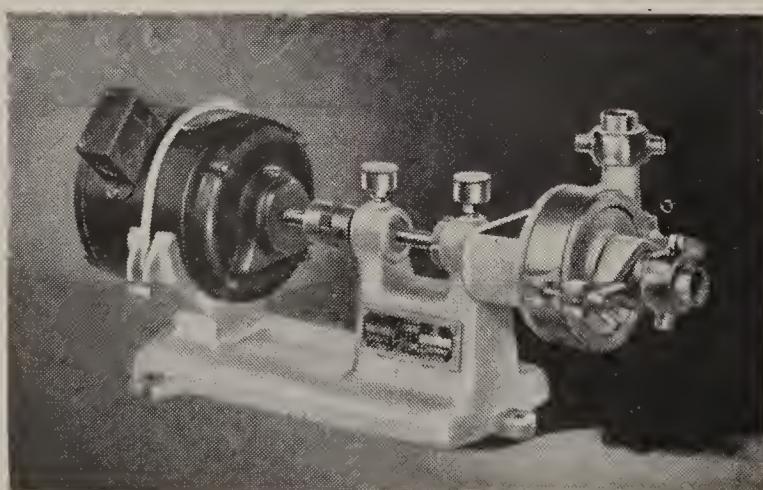
**U. K. Jr. Coolers**

These Coolers are made of the finest material obtainable. Their construction is either brazed or soldered, with electro tin plate or hot dip, as preferred. They may be had with covers, as illustrated, or without covers, as customer may require. In fact, we can furnish a Cooler to suit the most exacting requirements.



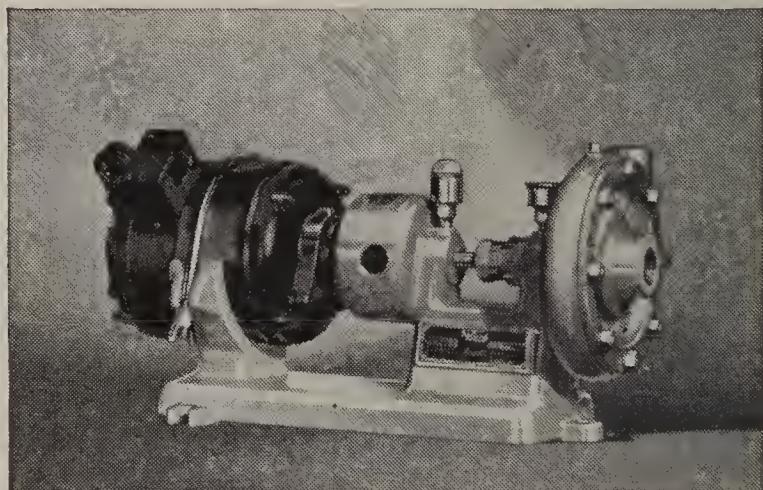
**Babcock Tubular Farm Coolers**

These Coolers are constructed from brass and copper and smoothly soldered. They are complete, including supply-tank, top and bottom troughs, and brackets for easy mounting. Come in sizes from 18 to 36 inches and are ideal for the small dairy.



**Nofome Sanitary Milk Pump**

This Pump, due to its construction, prevents foaming and churning, thereby forestalling injury to the cream-line as caused by other types of Pumps. The stainless steel shaft has ample bearings to insure long, quiet life. It is made in many sizes and models.

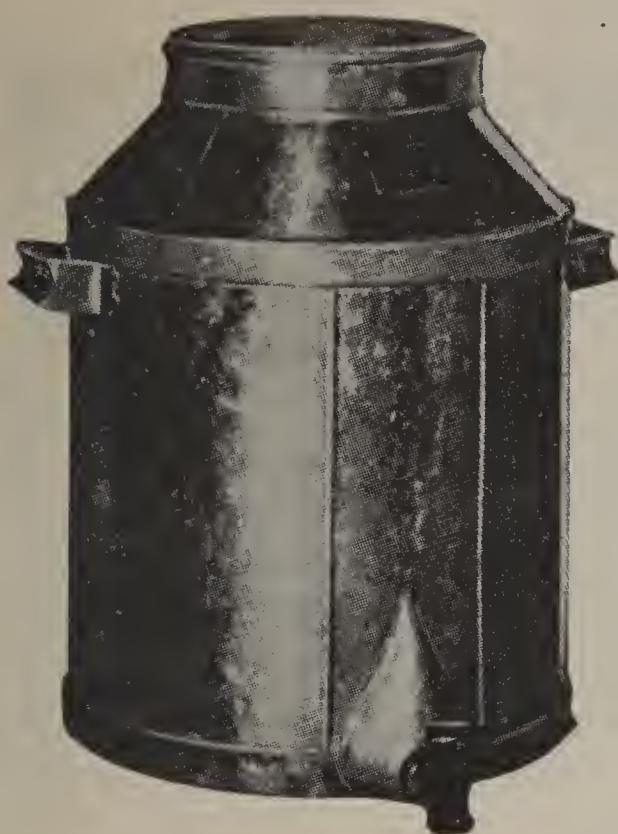


**Nofome Water and Brine Pumps**

These Pumps are similar in construction to the Milk Pumps. They have stainless steel shafts and enclosed impellers which greatly increase their efficiency. Sizes to fit every requirement.

*We carry a stock of sanitary fittings and pipe suitable for any dairy requirement*

# Dairy Supplies



## Mixing Tanks

Manufactured especially for smaller farmers who retail their milk. Made of best quality 4X tin-plate, with pitched bottom and steel hoops top and bottom.

**Small Type.** Conical pitched top with hoop to hold strainer cloth. Has 1-inch sanitary-type faucet.

Size	Gals. Cap.	Size	Gals. Cap.
No. 6.....	14	No. 10.....	22
No. 8.....	18	No. 12.....	26

**Large Type.** Straight sides, open top; top edge reinforced with tinned angle-iron hoop. Has 1½-inch sanitary-type faucet. Available in either tin-plate or tinned copper.

Size	Gals. Cap.	Size	Gals. Cap.
No. 15.....	35	No. 35.....	75
No. 20.....	45	No. 40.....	85
No. 25.....	50	No. 50.....	105
No. 30.....	60	No. 60.....	125

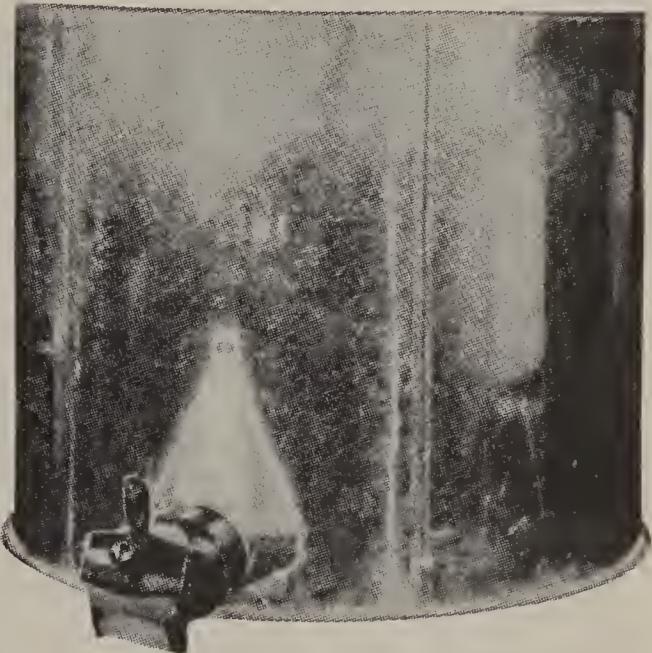
## Round Weigh Cans

Made of heavy tin-plate or tinned copper. Bottom is all-metal construction (no wood to absorb moisture) and pitches to the outlet to facilitate quick emptying. Outlet is 3-inch porcelain-lined Perfection Gate. Standard sizes are listed below. Special sizes take the price of the same or next size larger diameter, irrespective of depth (if not deeper).

Made in 6X tin-plate with frame of tinned iron, or 24-ounce copper with frame of tinned bronze.

Cap.	Diam.	Depth	Cap.	Diam.	Depth
30 gals.	23 in.	23 in.	70 gals.	31 in.	23 in.
40 gals.	25 in.	23 in.	80 gals.	33 in.	23 in.
50 gals.	27 in.	23 in.	100 gals.	35 in.	23 in.
60 gals.	29 in.	23 in.			

We can furnish Beam or Dial Scales to complete weighing outfits, to suit customer's requirements.



## Receiving Tanks

For use with Weigh Cans. Legs will be made the proper length to suit particular location. Bottom pitched to the 1½-inch sanitary outlet. In ordering, specify: (1) Height over all; (2) height floor to center of outlet; (3) position of outlet. Covers are made with one hole for Single, or two holes for Double Weigh Can. Larger or special sizes made to order at a proportional increase in price.

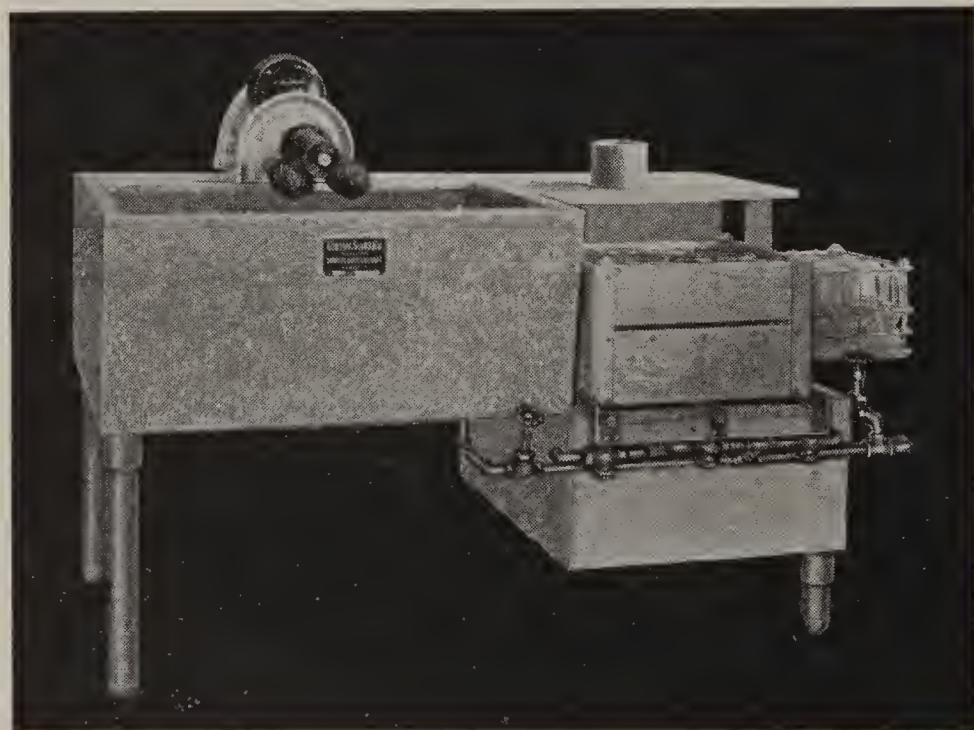
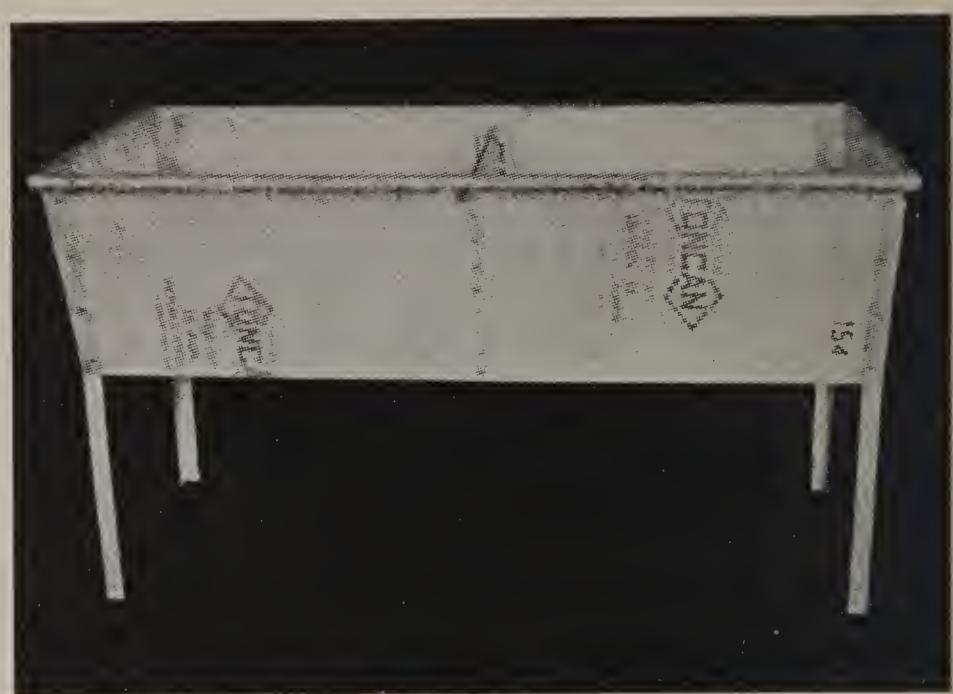
Made in either 24-ounce copper with frame of tinned bronze, or 24-gauge stainless steel with frame of stainless steel.

Cap.	Length	Width	Depth	Cap.	Length	Width	Depth
19 gals.	30 in.	20 in.	6 to 9 in.	40 gals.	42 in.	30 in.	6 to 9 in.
22 gals.	30 in.	24 in.	6 to 9 in.	57 gals.	42 in.	30 in.	9 to 12 in.
22 gals.	36 in.	20 in.	6 to 9 in.				
28 gals.	36 in.	24 in.	6 to 9 in.				
27 gals.	42 in.	20 in.	6 to 9 in.				
37 gals.	42 in.	24 in.	6 to 9 in.				

# Dairy Supplies

## Dairy Sinks

We have available a variety of Dairy Sinks in several styles and models, the one illustrated being one of the most popular. This comes in one- and two-compartment types and is nicely furnished with a rolled edge. It is made of a copper-bearing steel, heavily galvanized, making a very satisfactory job. This Sink may be provided with a shelf for supporting a bottle brush.

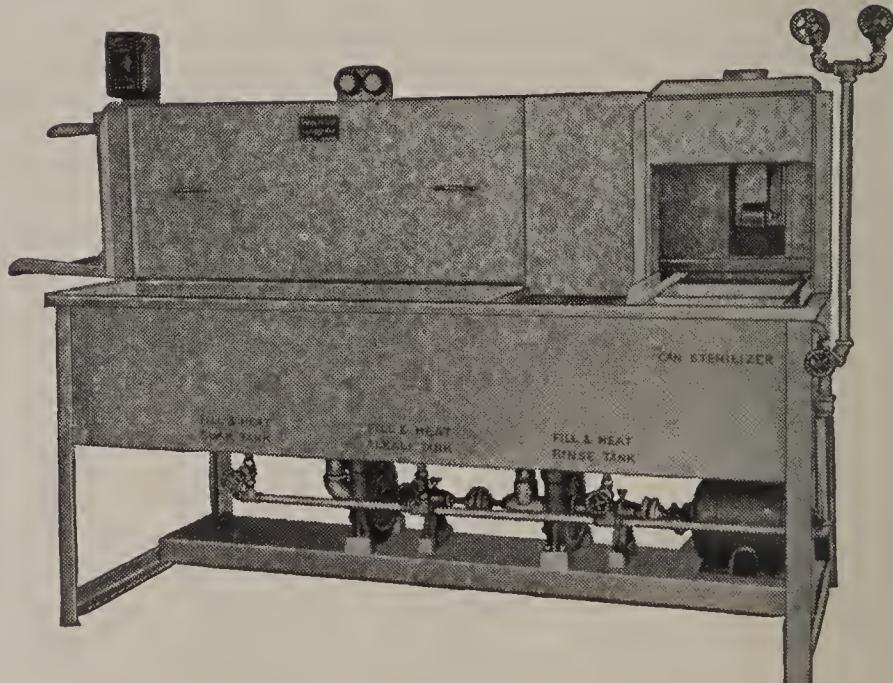


## Girton Torrent Washer

This machine is constructed of  $\frac{1}{8}$ -inch boiler plate and hot-dip galvanized, and is by far the sturdiest constructed machine on the market. Several types of brushes are available, and the rinsing and sterilizing section is automatic in operation, giving first a rinse, then a clear-water rinse, and finally a steam sterilizing. Used as intended, these machines will produce as clean a bottle as any machine made, bar none.

## Girton Pressure Washers

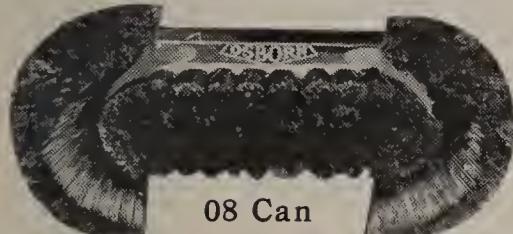
These machines are made in two sizes and are the big brothers of the Torrent Washer. They have electrically driven pumps for washing the bottles, and the larger one has a power rinse also. Then the bottles go to the fresh rinse and steam sterilizer. The smaller machine has a capacity of approximately one case per minute, while the larger machine has a capacity of approximately two cases per minute. These machines are also available with a chlorine sterilizer. We would appreciate an opportunity of showing you these machines and of telling you more about their advantages.



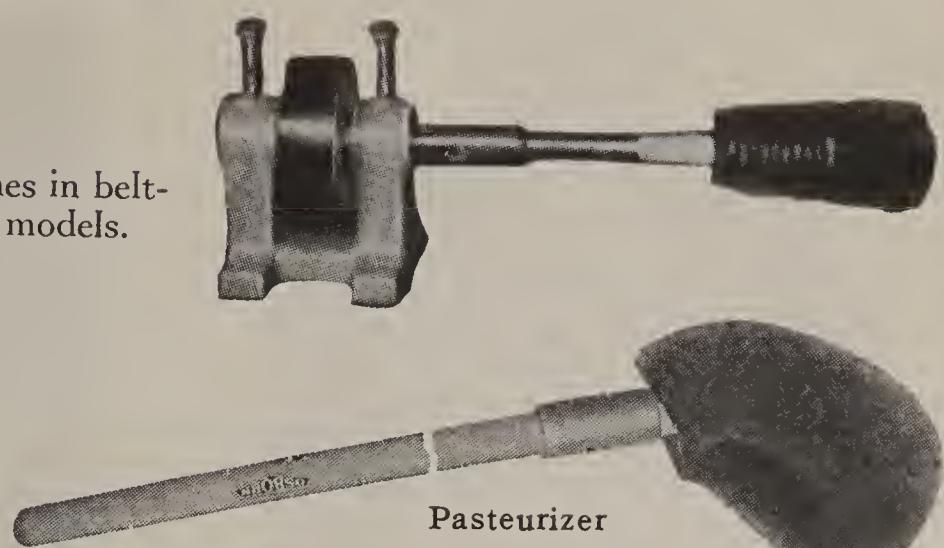
# Dairy Supplies

## Bottle Brushes

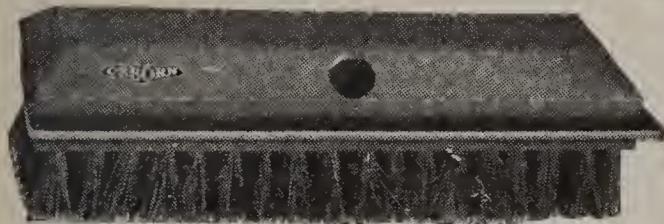
We have a variety of Bottle Brushes in belt-driven as well as steam and electric models.



08 Can



Pasteurizer



Floor with Squilgee



Floor, Plain



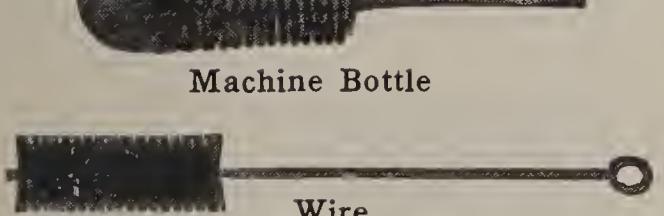
Gong



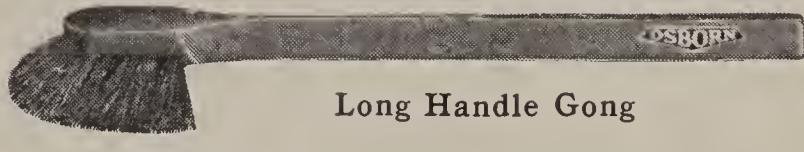
Long Wire



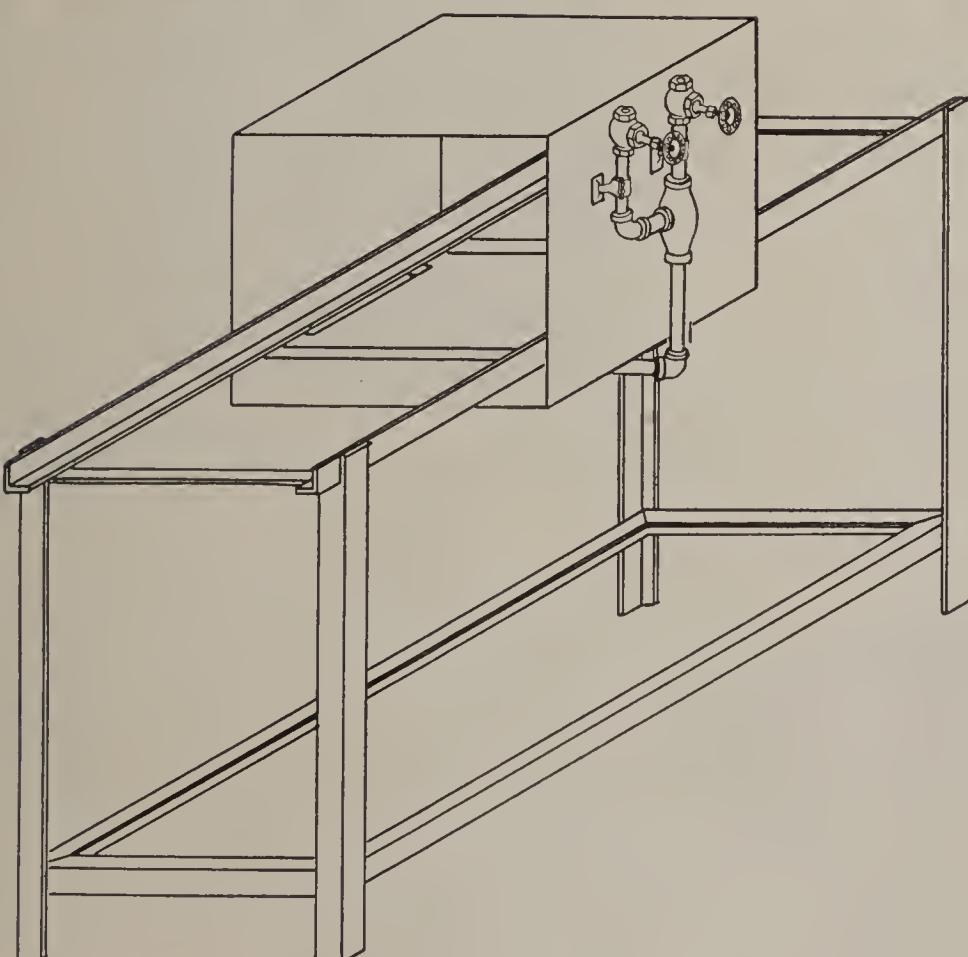
Hand Bottle



Machine Bottle



Long Handle Gong



## Case Sterilizer and Rinser

This Sterilizer is intended to be installed at the end of a wash-sink, so that after a bottle is washed it is placed bottom up in a case where the wash-water drains out. When filled, the case is slid under the hood on Sterilizer where there is a plate with holes so located that they are under the open bottle. Then, by opening one valve on side of machine, all the bottles are rinsed. After this, open the other valve which allows steam to heat the water, and then close the first valve, allowing steam only to enter the bottles, which thoroughly sterilizes them.

# Dairy Supplies

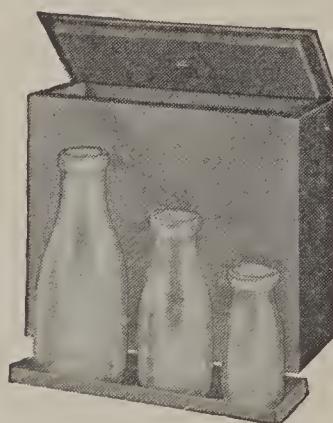


## Thatcher Milk Bottle

For 19 years the W. E. Barrett Company has consistently offered the Dairy Trade Thatcher quality and service. We have learned to highly respect the uniform quality and superior value represented in the Thatcher Milk Bottle.

We have them in all sizes and shapes, neck-markings, and designs; in Pyroglaze or fused color, and in blown lettering, either in name-plate style or with special moulds.

## Insulated Bottle Cabinets



These Cabinets are useful to protect milk on customer's premises in either extreme hot or cold weather. They are made of galvanized iron, well finished, lined with  $\frac{1}{2}$  inch of insulating material, furnished with a removable tray or a full galvanized lining. They may be had plain or in colors. Also may be stenciled with a dairy's name.



## Baker Crates and Shipping Cases

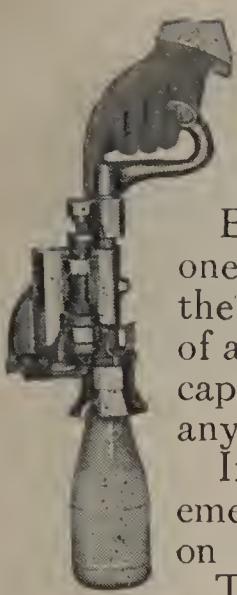
There is a Baker Crate made to fit every requirement. They are carefully made of New England maple. The irons are so shaped that they really strengthen the case and prolong its life. Let us quote you.



## Specialty Rotary Filler and Capper

This Filler is a particularly efficient machine. Both filling and capping operations are accomplished with one stroke of a lever. The machine has a capacity of 10 bottles per minute, and is easily adjusted to various size bottles. The regular equipment includes a porcelain tank, but tinned copper or stainless steel tanks are available. Cappers to take the various types of caps can be used on this Filler.

# Dairy Supplies



## Rotary Hand Bottle Capper

Every dairyman should own one of these essential tools. In the small plant it takes the place of and is ten times as fast as hand capping, which is unsanitary anyway.

In the large plant they are an emergency tool which should be on hand in case of a breakdown.

There are types for nearly every type of cap and they are easy to operate, as there is nothing to get out of order.

They conform to all sanitation standards.

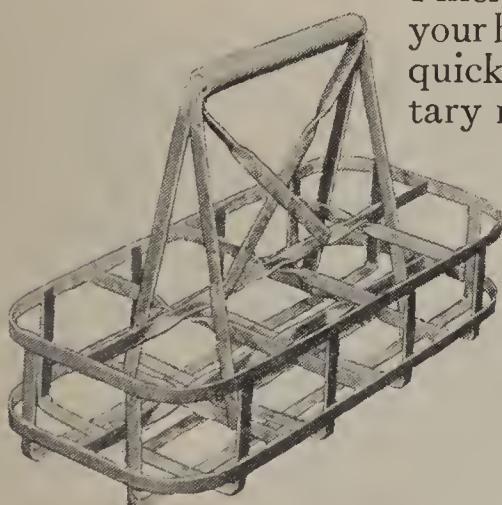
## Specialty Hand Bottle Filler

This Filler is really a necessity in the small dairy where time and neatness count.

They are easy to operate and are perfectly smooth both inside and out, so that washing is but a matter of a few seconds.

The Fillers are not expensive, but if they were, the time saved would soon pay for the machine. Use a Specialty Hand Bottle

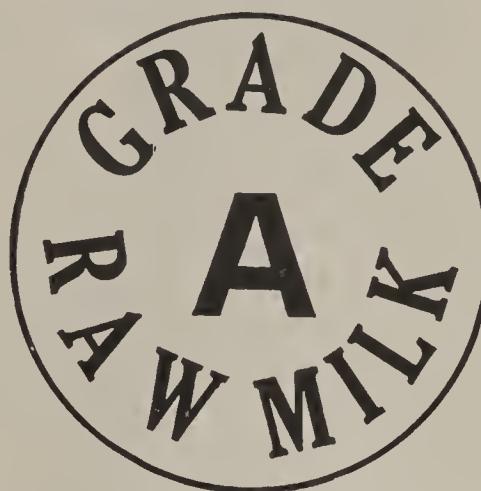
Filler and know that your bottles are filled quickly in a sanitary manner.



## Case Truck

We carry a good assortment of Case Trucks in one-, two-, and three-stack sizes. There is also a variety of styles of Caster Wheels. We have one made of a composition of bakelite and rubber that is particularly satisfying. May we quote you?

## Bottle Caps



We carry in stock printed Caps in tubes as follows:

Plain

Raw Milk

Pasteurized Milk

Grade "A" Pasteurized Milk

Buttermilk

Skim Milk

Cream Caps (in several grades)

Coffee Drink

Chocolate Drink

Orange Drink

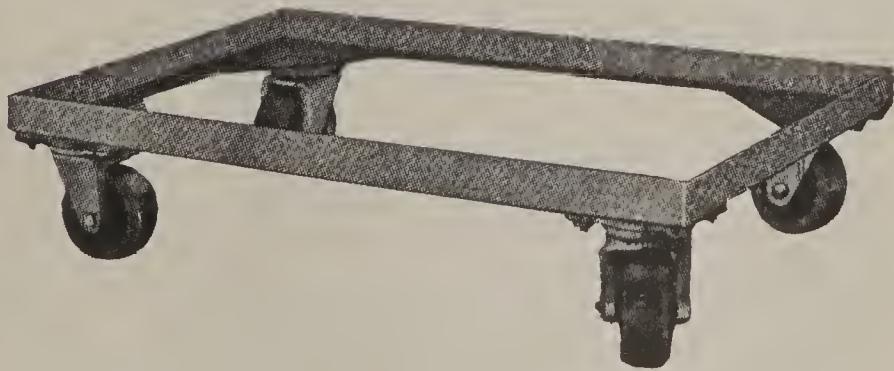
Also Can Caps  $3\frac{3}{16}$ -inch diameter, printed or plain.

We are in a position to contract for printed Caps to comply with any state or local requirement. Furnish special designs in any type of Caps, either flat or those that cover the pouring lip of bottle.

Let us quote you.

## Bottle Carriers

Made of heavy, cold-rolled steel, all joints electrically welded, making a very strong Carrier. These Carriers come in 6, 8, and 10-space sizes, and either plain, galvanized, or tinned.



# Dairy Supplies



## Cleveland Pattern Milk Can

Furnished with stamped steel handles as shown or with drop forged handles if preferred, at a slight extra cost. All other features of can are same as our standard high grade New York Pattern Can.

	Capacity	Neck Diam.	Average Weight
No. C5.	20 qts.	6 1/8 in.	16 1/2 lbs.
No. C30.	30 qts.	7 in.	21 1/2 lbs.
No. C40.	40 qts.	7 1/4 in.	28 1/2 lbs.

## Heavy Steel Milk Cans

Made of heavy steel with necks for metal covers or paper plugs. All popular sizes.



## Milking Stools

Made of heavy steel and galvanized. 75 cts. up to \$1.05.

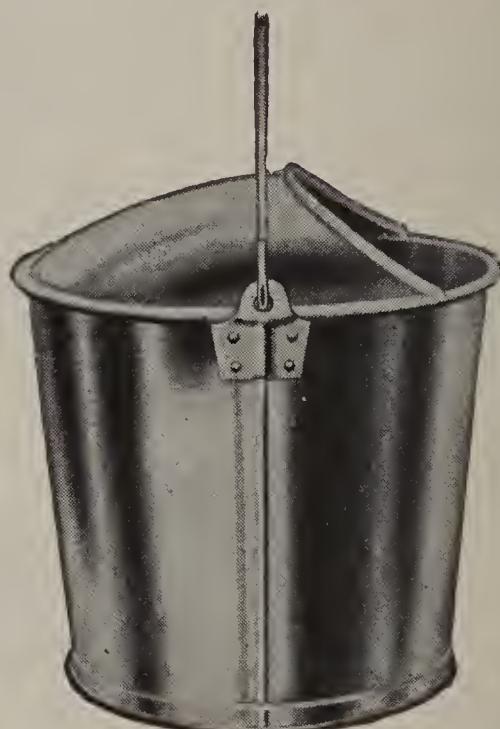


## Strip or Garget Cups

For inspecting quality of milk from each cow. A seamless steel cup fitted with removable fine-mesh strainer—all parts carefully tinned—easy to keep clean.

## Jalco Babcock Tester

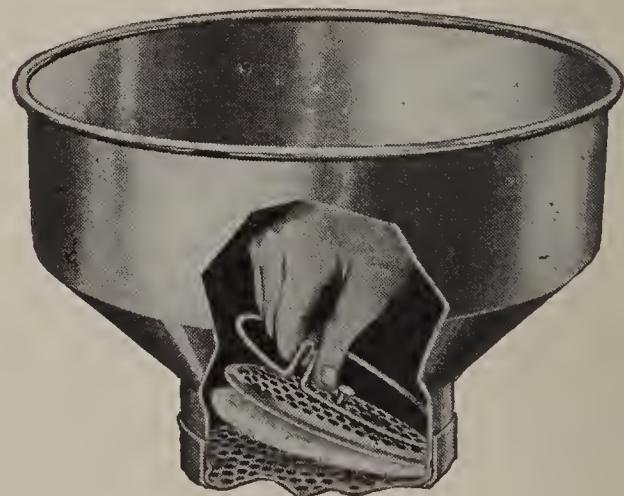
These Testers come in many sizes and styles, both hand and motor drive, with and without heat. They have many improvements that recommend them to the dairy trade.



## Milking Pails

**Sanitary Milking Pails.** Hooded, soldered inside and outside. Heavy quality best tin-plate, hand made. 12- and 14-qt.

**Seamless Milking Pails.** Hooded. 12- and 14-qt.



## Milk Strainers

The "Superior" Strainer has a new patented grid that allows milk to flow rapidly through, eliminating much of the resistance found in old-style Strainers. It has a capacity of 12 quarts and measures 12 1/2 inches in diameter, with a neck diameter of 5 5/8 inches which allows it to be used in the neck of a 20 or 40-quart can. \$2.

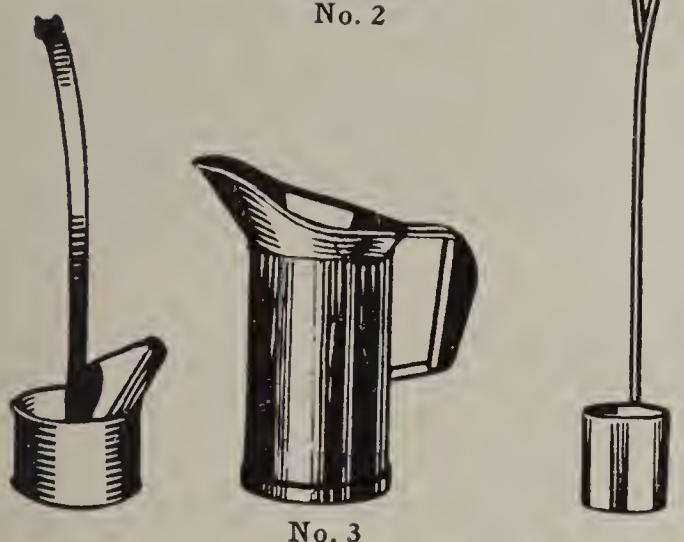
# Dairy Supplies

## Dippers and Measures

Cheap and improperly made tinware is dear at any price. Our Dippers and Measures are manufactured primarily for dairy use and are, therefore, made of heavy material with all seams well soldered, making them sturdy and sanitary. Nos. 2 and 3 can be had either plain or graduated, to suit the law in different localities. Plain ones will be shipped unless the order specifically states that graduations are wanted.



No. 2



No. 3

## Lever Butter Worker

Oak table with maple legs and lever. Inexpensive, simple, durable, and does a fine job.

- No. 0. 20-in. .... 15 lbs. butter
- No. 1. 30-in. .... 25 lbs. butter
- No. 2. 40-in. .... 35 lbs. butter
- No. 3. Factory size. .... 60 lbs. butter



## Dairy Supplies

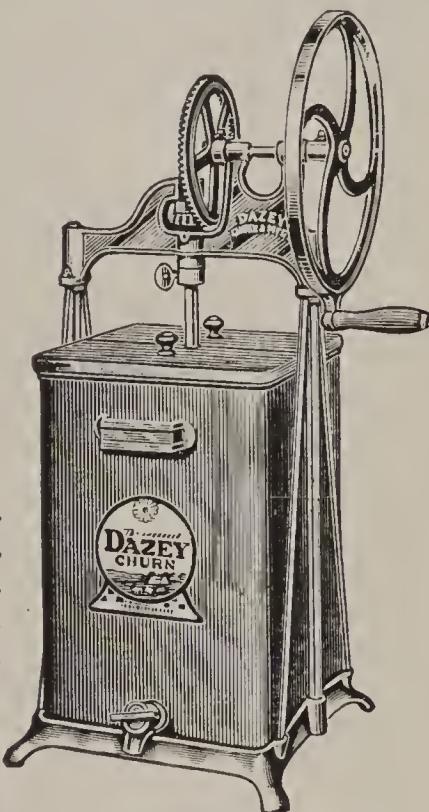
## Dazey Churns

There is a "Dazey" Churn for every churning need. The glass Churns are ideal for home use, while the larger metal Churns, both hand and electric, fill a long-felt want in the smaller dairies.



### "Dazey" Hand Churn

- No. 200 ... 2-gal.
- No. 300 ... 3-gal.
- No. 400 ... 4-gal.
- No. 600 ... 6-gal.
- No. 1000 ... 10-gal.

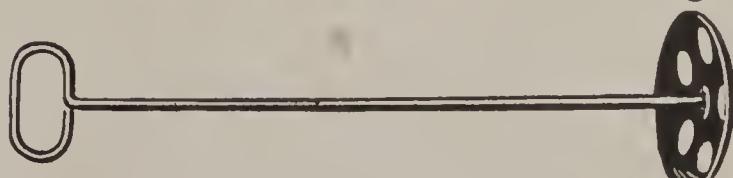


### "Dazey" Electric Churns

- No. 250M ..... 2-gal.
- No. 450M ..... 4-gal.
- No. 650M ..... 6-gal.
- No. 1050M ..... 10-gal.

### Varnished Cylinder Churns

- No. 0 ..... 1½-gal.
- No. 1 ..... 3-gal.
- No. 2 ..... 4-gal.
- No. 3 ..... 7-gal.



### Agitators

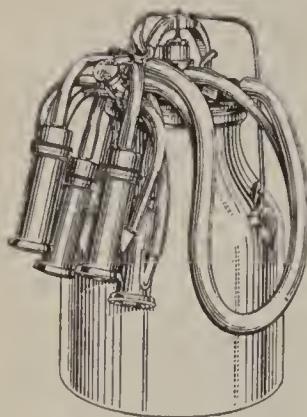
Made especially for stirring milk or cream in the can. Easy to operate because of the perforations.

Small size for 8 and 10-qt. cans.  
Large size for 20 and 40-qt. cans.

# Dairy Supplies

## De Laval Magnetic—the World's Best Milker

*De Laval Principle of Fixed and Uniformly Controlled Pulsations Proves Its Superiority*



In practically every detail of construction the De Laval Magnetic Milker is superior, but its chief feature, distinguishing it from all other milkers, is the principle of fixed and uniform magnetic pulsation control.

It is largely due to this exclusive and patented

De Laval feature that the splendid milking results of the Magnetic Milker are obtained, and the simplicity and reliability of operation for which these Milkers are famous.

Judged on the basis of efficiency, speed, and thoroughness of milking, on simplicity and reliability of operation, on quality of construction, on its ability to produce clean milk, the De Laval Magnetic is supreme. The simple truth is that the Magnetic is in a class by itself in Milking Machines.

Should anyone question these claims, he can satisfy himself by making an investigation among De Laval users. Better still, a Magnetic tried side by side with any other Milker in actual use will convince any fair-minded person of De Laval superiority.

### Styles and Sizes.

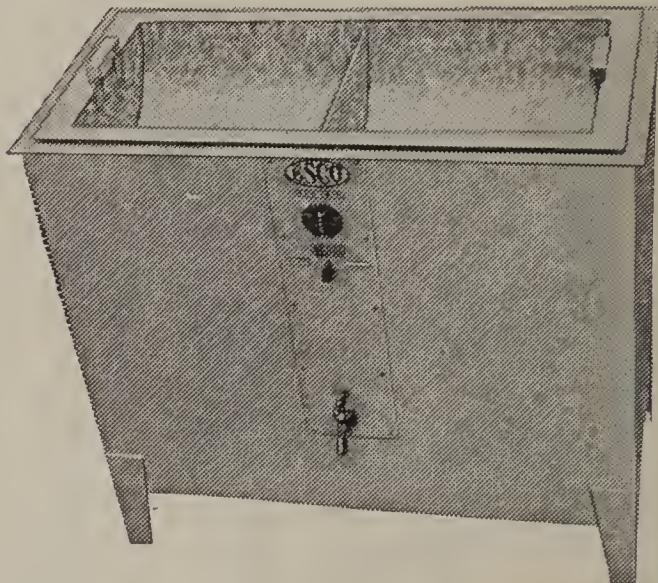
No. of Outfit	Pulso-pump	Units	No. cows	Power Requirements
				Motor Engine
1.	No. 25	1	5-10	1/2 h.p. 1 1/4 h.p.
2.	No. 25	2	10-20	1/2 h.p. 1 1/4 h.p.
3.	No. 40	3	20-30	3/4 h.p. 1 1/2 h.p.
4.	No. 41	4	30-40	1 h.p. 1 1/2 h.p.
5-A.	No. 47	5	40-50	1 1/2 h.p. 2 1/2 h.p.
5-B.	No. 47	6	50-60	1 1/2 h.p. 2 1/2 h.p.
6.	No. 48	8	60-80	2 h.p. 3 1/2 h.p.

**Rate of Milking.** The capacity of each Milker unit is from eight to ten cows per hour. This can be increased to twelve and fourteen per hour by fast operators. One man can operate two to three units and do his own stripping, carrying milk, weighing, etc. If he has some help, he can easily operate three to four units. If he has two assistants, he can operate six units.

## Stewart Clipmaster

Clean cows are the first requirement in producing clean milk. Stewart Clippers aid very materially in this important undertaking. They are light and easily handled. The powerful, cool-running motor is a marvel of efficiency. The clipping blades hold their cutting edge remarkably well and when dull are easily sharpened.

## Esco Electric Dairy Sterilizer

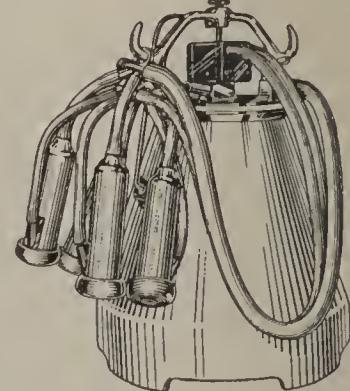


This handy outfit provides 3 gallons of hot water, a sink for washing, together with space for sterilizing as many as four pails.

## De Laval Utility Milker

While De Laval Utility outfits have many De Laval patented features, they embody a less expensive construction than the Magnetic, which enables them to enter a lower price field.

The Utility is a quality Milker in every respect, and the best Milker of its kind that money can buy.



The pulsator used on the Utility units is of an ingenious membrane type that has only three moving parts. It requires no lubrication and seldom regulation. The pulsator is easy to take apart and is the best pail pulsator of its type that has ever been made.

Utility Milker units are provided with one-piece teat-cups. The shell is a single piece and the liner and milk-tube are a single piece of rubber.

# Dairy Supplies

## “DE LAVAL” CREAM SEPARATORS

De Laval Cream Separators have been famous for years for their clean skimming and long life. This new “World’s Standard” Series Separator is the “last word” in Cream Separators. The bowl, because of its scientific design, requires less power, skims cleaner, and delivers a smoother cream. Ball bearings protect against rust and corrosion and contribute materially to its long life and easier operation. In a word, here is a machine that will give a lifetime of faithful and dependable service.

They are made in several sizes and models suitable for any dairy requirement.

### New “World’s Standard” Series

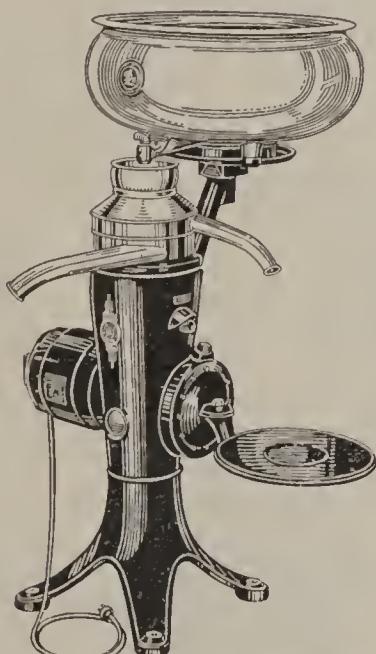


#### With or Without Motor Drive

Size	Capacity per hour
No. 11 . . .	400 lbs.
No. 14 . . .	550 lbs.
No. 18 . . .	800 lbs.
No. 19 . . .	1150 lbs.
No. 22 . . .	1350 lbs.

### The “Electro” Series

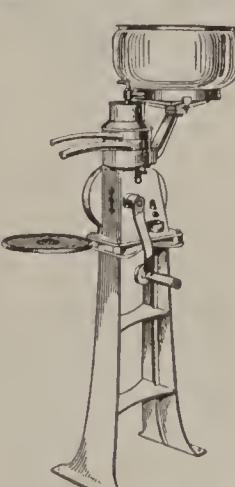
Size	Capacity per hour
No. E-19 . . .	1150 lbs.
No. E-29 . . .	1650 lbs.



### Junior Series

Size	Capacity per hour
No. 1 . . .	150 lbs.
No. 2 . . .	225 lbs.
No. 3 . . .	300 lbs.
No. 4 . . .	400 lbs.
No. 5 . . .	500 lbs.

Nos. 1 and 2



Nos. 3 and 4

### Multi-Purpose Separators

The special De Laval Multi-Purpose Separator has a combination of advantages never before incorporated in a Cream Separator. This great machine can be used for standardizing or raising the butterfat content of whole milk to any point desired.

**As a Standardizer.** The demand for milk of higher butterfat content in some of the fluid milk markets of the country, also the desire on the part of many dairymen to give their customers richer milk, has created a need for an efficient means of standardizing or raising the butterfat content of low-testing milk. The special De Laval Multi-Purpose Separator provides a splendid means of doing so.

To standardize with this machine all of the milk from a milking is run through it. The bowl is adjusted so that a small amount of skim-milk is withdrawn through the skim-milk discharge of the machine, and the remaining whole milk, which is delivered from the upper discharge spout of the Separator, will test higher.

The amount of skim-milk withdrawn may be varied by bowl adjustment so that whole milk of any desired butterfat content may be produced.

**Clarifies as it Standardizes.** One of the advantages of standardizing milk with the Multi-Purpose Separator over any other method is the fact that running all the milk through the centrifugal separator bowl provides efficient clarification as well as standardization, and both of these important functions are accomplished in one operation.

It has been proved by many tests and by the experiences of many of the country’s leading milk distributors that clarification is the most efficient means of removing dirt and foreign matter from milk. It is more effective than any method of straining could possibly be.

**As a Regular Separator.** The Multi-Purpose Separator can also be used as a regular Cream Separator to produce cream testing as high as 55 per cent butterfat, and the bowl can be quickly adjusted by means of regulating screws to produce cream of any desired richness.

**Styles, Sizes and Capacities.** De Laval Multi-Purpose Separators can be provided in the new World’s Standard and Electro Series.

# Dairy Supplies



## Seazone

A Chlorine Powder  
Freshly Prepared  
in Solution

A real dairy bactericide, disinfectant, and deodorant. It is economical, safe, and efficient. Dissolves 100 per cent in water. Disinfects dairy and ice cream equipment at a small cost and with maximum results.

Lb.....	\$2 00
5 lbs.....	7 50
10 lbs.....	12 50
25 lbs.....	27 00

## Twin Light Crystals

A Powerful Water Softener and Cleanser



## NO. 10

Single bbl. (325 lbs.) .....	6 $\frac{3}{4}$ cts. per lb.
5 bbls. Contract .....	6 $\frac{1}{4}$ cts. per lb.
5 bbls. One delivery.....	6 cts. per lb.
Keg (100 lbs.) .....	7 $\frac{1}{2}$ cts. per lb.

## NO. 1

Single bbl. (325 lbs.) .....	8 $\frac{1}{2}$ cts. per lb.
5 bbls. Contract.....	7 $\frac{3}{4}$ cts. per lb.
5 bbls. One delivery.....	7 $\frac{1}{4}$ cts. per lb.
10 bbls. Contract.....	7 $\frac{1}{4}$ cts. per lb.
Keg (100 lbs.) .....	10 cts. per lb.

## Washbrite

Soaker Type Cleaner

For washing and sterilizing bottles in machine bottle washers. Used by dairies, breweries, and bottling plants.

Single drum (400 lbs.) .....	\$28 00
2 to 4 drums.....	\$27 per drum
5 drums.....	\$26 per drum
Drums (200 lbs.) .....	\$16 per drum

## Seatox

Kills cockroaches and bedbugs; also mosquitoes, flies, ants, and moths. Do not spray near a flame. Active ingredients 100 per cent. Seatox is a contact insecticide, therefore all surfaces and objects should be thoroughly sprayed. Not necessary to close doors and windows if thorough spraying is done.

Drums (55 gals.) .....	80 cts. per gal.
Drums (30 gals.) .....	90 cts. per gal.
5 gals.....	\$1.25 per gal.
Gal.....	\$1.50

## Seatox Cattle Spray

100 per cent active ingredients which include pyrethrum extract, pine-oil, and bland petroleum oil.

Drums (55 gals.) .....	80 cts. per gal.
Drums (30 gals.) .....	90 cts. per gal.
5 gals.....	\$1.25 per gal.
Gal.....	\$1.50

## Gulfspray

Insect killer non-poisonous to human beings and pets. Ideal for use in dairies.

Qt.....	\$0 45
Gal.....	1 45
5 gals.....	5 75



## Gulf Livestock Spray

Highest quality. Satisfaction guaranteed. It is economical to use.

Qt.....	\$0 45
Gal.....	1 25
5 gals.....	4 95



Put up in 30- and 55-gal. drums. Send for price.

## Detergent

This is the most satisfactory material for removing stains on polished metal.

10-lb. can.....	10 cts. per lb.
100-lb. keg.....	8 cts. per lb.
300-lb. bbl.....	7 cts. per lb.

# Dairy Supplies

## Miscellaneous Dairy Supplies

Bag Balm  
Boiler-tube Cleaners  
B. T. B. Safety Solvent  
Calf Weaners  
Cattle Cards  
Curry Combs  
"Dandy" Brushes  
Fly Spray (Dr. Hess)  
Kow Kare  
Mastitis Test Outfits  
Mastitis Cards  
Milk Test Tablets  
Milk Tubes  
Pasteurizer Recorder Charts  
Thermometers  
Teat Dilators  
Teat Plugs  
"Wyandotte" Dairy Powders  
Wool Fat

## Dr. Daniel's Remedies

Cow Tonic.....	\$0 60
Anti-Scours.....	1 00
Udderkream.....	60
Regit.....	60
Horse Conditioner.....	65
Louse Powder.....	30
Colic Drops.....	1 30
C. C. & T. Drops.....	1 30
Gall Salve.....	65
W. K. Powder.....	35

## Dr. Naylor's Remedies

Dilators.....	50 cts. and \$1 00
Udder Balm.....	50
Udder Balm Liquid.....	1 00
Cleralac.....	65
Stop-A-Leak.....	1 00
Direne.....	75
Huffene—"Linite".....	1 00
Antiseptic Balm.....	50
Wound Paint.....	25 cts. and 50

## GOTTSCHALK'S METAL SPONGE

"The Bacteria Chaser"

Stainless Steel Sponge

Special Bronze Alloy Sponge

It cleans and scours so efficiently, without scratching highly polished surfaces, that bacteria counts are automatically lowered. No other cleaning agent known works so effectively in removing slimy or encrusted milk and cream filaments.



The original concentrated sodium hypochlorite disinfectant and sterilizer. Preferred by dairymen and poultrymen.

Put up in liquid form in the following sizes:

10 ozs.....	\$0 50
Qt.....	90
Gal.....	2 00
5 gals.....	8 50

Also in Dry Powder:

9½ ozs.....	75
1¾ lbs.....	1 50

## B-K Washing Powder

100-lb. kegs.....	\$7 70
300-lb. bbl.....	21 45

For Hand Washing.

## Bottle Komound

100-lb. keg.....	\$6 20
300-lb. bbl.....	16 95

For Pressure Washer.

These Washing Powders are probably the most satisfactory manufactured today. The price per pound is no indication of the economy. They require less powder per wash and leave the bottles sparkling and sterile. A trial will convince anyone of their superiority.



## Filter Disc Pads Johnson & Johnson

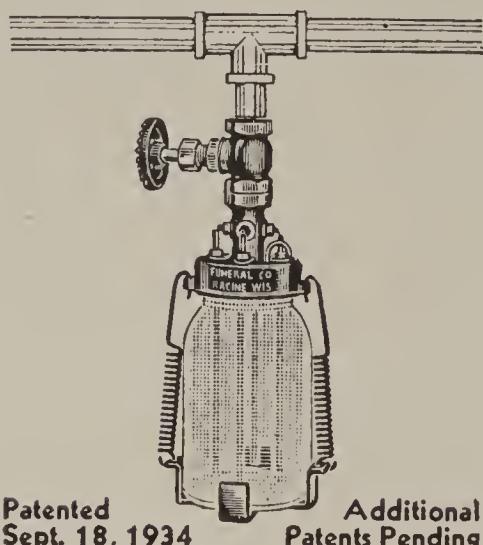
These Discs are constructed from long-fiber cotton which insures the most rapid filtering, consistent with clean milk, that it is possible to produce. We carry in stock both plain and gauze face Discs in 6 and 6½-inch sizes. 90 cts. up per 300. Case lots at reduced prices.

## E Z Strainer Pads

These are remarkably good Pads, giving excellent satisfaction at a saving in price. Get our quotation.

# Dairy Supplies

## Fumeral Pressure System Connects to Steam or Air Pressure Line



Rid your dairy of flies and odors by installing a Fumeral Pressure System. This System will instantly fill the entire room with a dry fog that floats to the highest ceiling and penetrates crevices. There is no drip or waste of material, and they are suited to any material you may prefer.

## Hancock Valves

These are the Steam Valves with the stainless steel seats and discs. Their long life and saving of leaking steam make them a paying investment in any dairy. Sizes to fit your requirements.

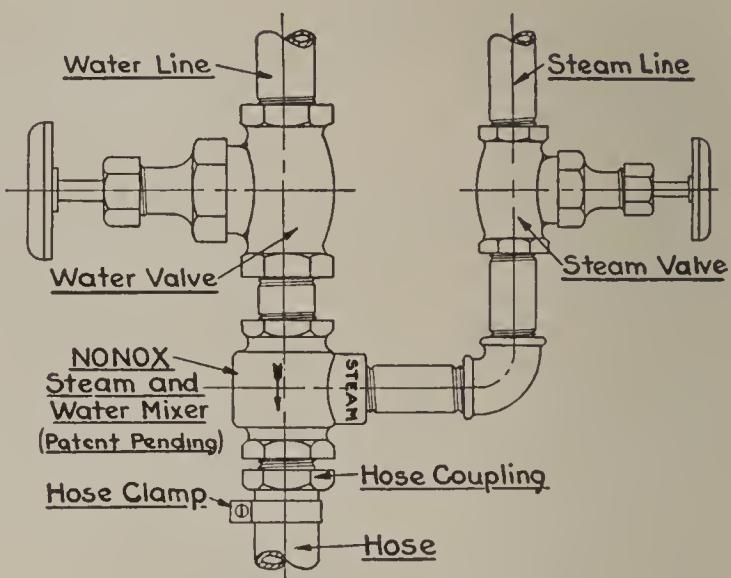
## Prime Electric Fence Controller

### For Battery, Central Power, or Home Plant

One-wire Prime Electric Fence positively keeps livestock fenced in where they belong. When other fences fail, the Prime Electric Fence holds them. Relief from fence worries. You know your livestock will not break through and ruin your crop.

The "Moto-Chopper" and the ten safety guards make it the safe and effective way to use high-line current for Electric Fencing. Costs only 10 cts. a month for electricity. Handles up to 15 miles of fence.

## Nonox Steam and Water Mixers



STEAM HOSE. 45c per foot.  
Moulded Nozzle, \$1.25 extra.

## BOILER TUBE CLEANERS No. 2 Ingalls, \$2.00

## Service Department

Many of our customers are unaware of the fact that we maintain a complete service department competent to take care of all the different kinds of equipment we sell.

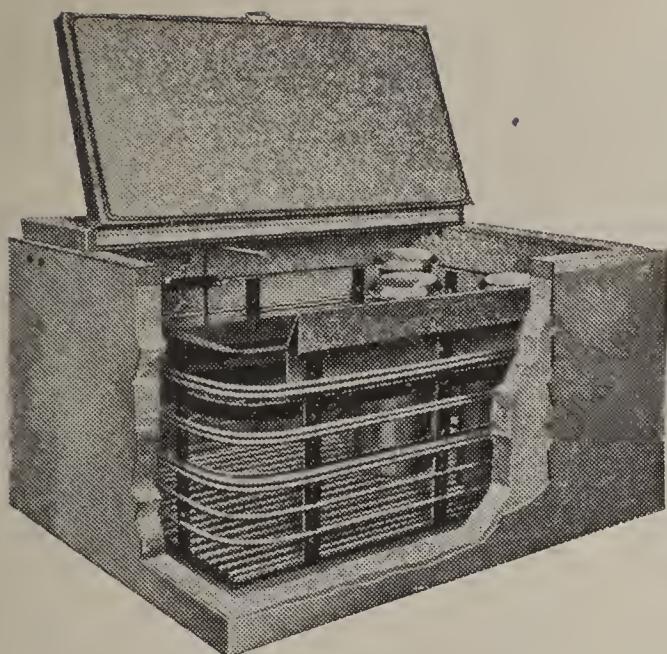
It is our desire to have everything we sell give the buyer the utmost for his money. We want our machinery, tools, and equipment to do the things the manufacturer intended they should, and to do this they must be kept in good order. Replacement parts must be quickly available, with skilled repairmen ready to make repairs.

We carry a full line of replacement parts, and in our service department are skilled mechanics who know our equipment and are able to make repairs in the shortest possible time, which assures a minimum of inconvenience to the owner of the machine. It costs real money to maintain such a department and we respectfully request our customers to give us an opportunity to figure on any repair work they may have.

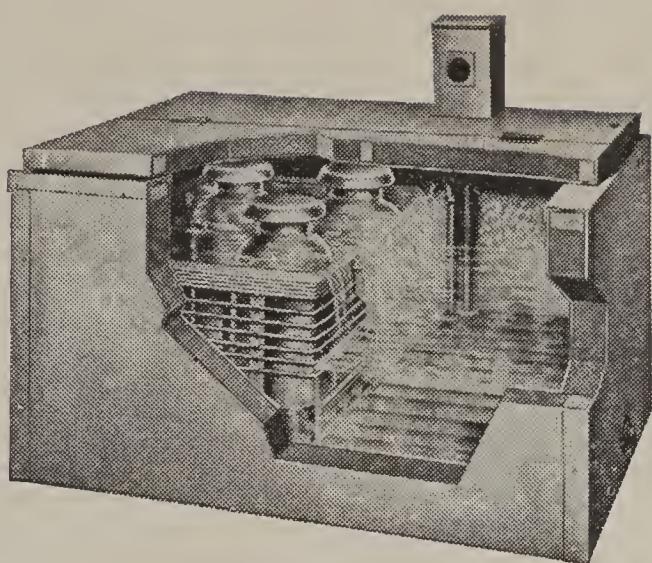
We have found that by having experienced mechanics make repairs when necessary, you will save many dollars over those spent for the inexperienced to experiment.

When in Providence drop in and let us show you just what we are in a position to do to keep your equipment in the best of condition and give you the satisfaction you should expect.

## Dairy Supplies



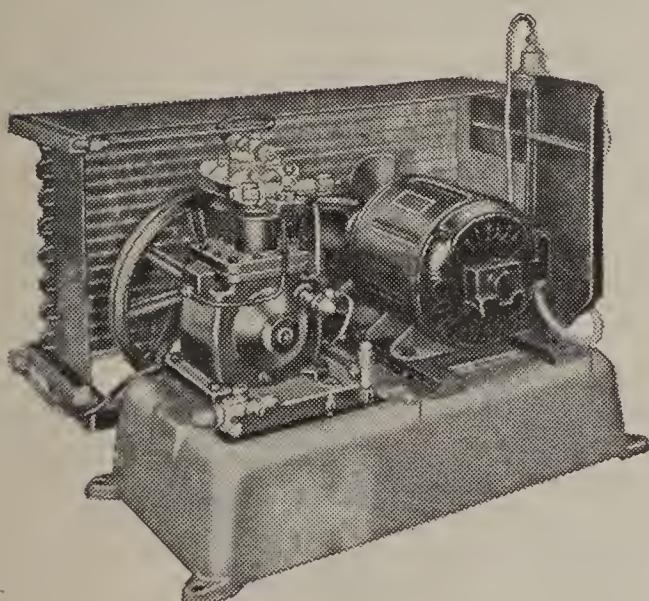
Model J



Model A

### Esco Coolers for Cans of Milk

These boxes are constructed for long life and economical operation. The insulating material used is extremely effective, which keeps the electric bill to a minimum. They are made in several models to suit many conditions. The two most popular are Model "J," which is the conventional open box, and Model "A," which is equipped to provide water to the full height of the can at all times and to circulate the water, which greatly hastens the cooling of the milk. They are both made in sizes to take from 2 to 24 40-qt. cans.



### M. & E. Automatic Refrigeration Compressors

This company was one of the first to enter the refrigeration machinery field, having originally been founded in 1866. They have confined themselves to commercial refrigeration and make sizes from  $\frac{1}{4}$  to 15 h.p., in models to meet every refrigeration need. Their methods of construction insure long life and quiet operation.

### Coolers for Dry Storage, Bottled Milk, Etc.

Available in Walk-in Boxes and Lift-in Boxes with or without Tanks and Ice-makers. Available in sizes from 4 to 90 12-qt. crates. Let us quote on your requirements.

# Poultry Supplies

## Biddy Way Starter with Contact Heat

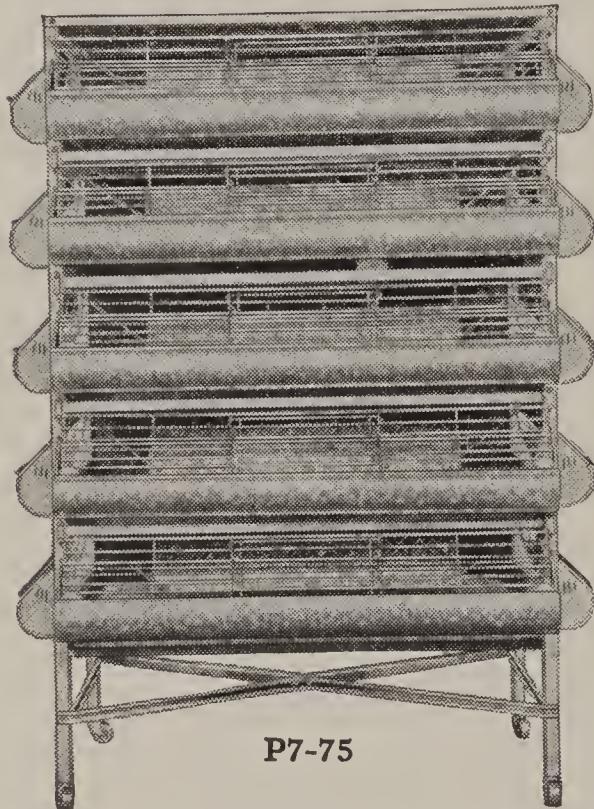
A perfect battery for chicks from a day old. Generally used to three weeks old or for chick display in stores, but will raise to seven weeks old. Chicks cannot escape or drown; every one within arm's reach. Feed-openings quickly adjustable. Large feeders easily removed and a lock to then hold grid sides closed. Floors finest  $\frac{1}{2}$ -inch mesh crimped wire over braced steel rod frame, all tinned after. Extremely strong 24-gauge dropping-pans. Battery frame rigid with 80 rivets. Ventilated back panels and feeder ends red and grid sides blue enameled. Floor area ( $26\frac{1}{4} \times 42$  inches) 1100 square inches inside. Holds 700 day-old chicks, or 350 at three weeks. Rolls through any door.

Natureized True Contact from 38-watt insulated electric heaters provides utmost comfort and protection, assuring rapid, vigorous growth. They hang on adjustable chains; are most simple to operate and easy on current.

**P7-76.** 5-Deck Battery, less heaters, \$56.75.

**P7-7638.** With Natureized heaters, \$78.50.

Also made with higher wattage heaters for rooms below  $50^{\circ}$  at floor.

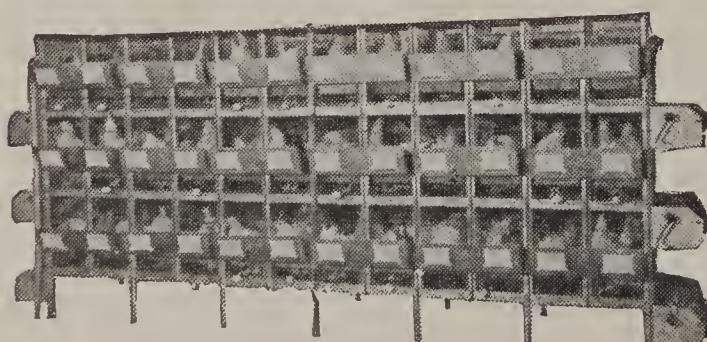


P7-75

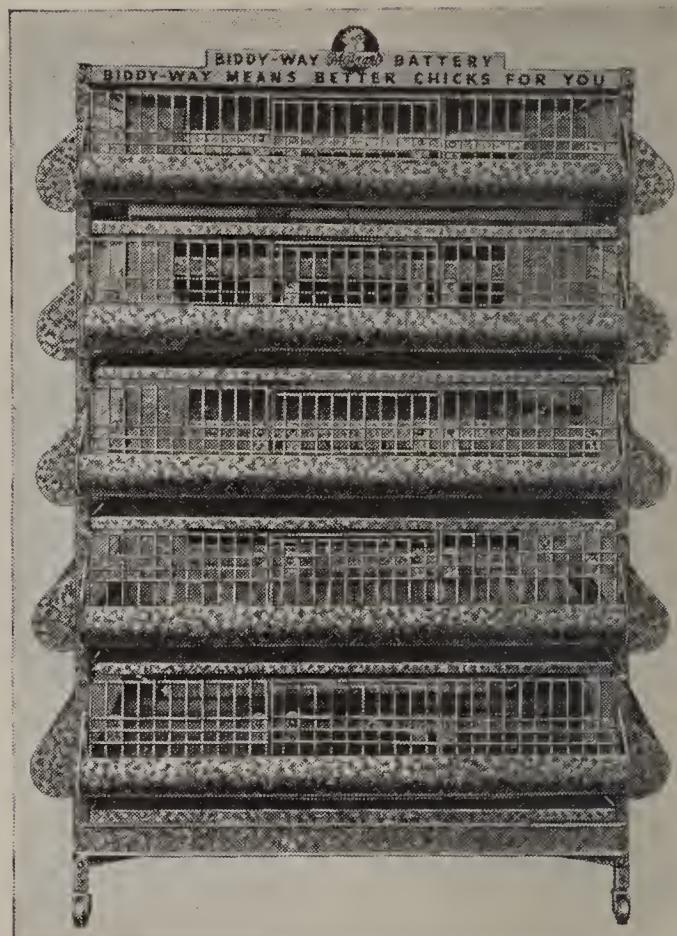
## Finishing Battery

For broilers from 4 to 12 weeks old; holds 100 at 9 weeks. Like P7-76 except 4 decks with 13-inch headroom, floor-mesh  $\frac{3}{4}$  inch square, and big  $6\frac{3}{4} \times 3\frac{1}{4}$ -inch feeders on front only. Every bird within arm's reach. Feeders adjust upward, have non-waste grid. All side grids come off. A sturdy, heavy, durable unit.

**P7-44.** Finishing Battery. \$39.50.



MaKomb Hen Cages



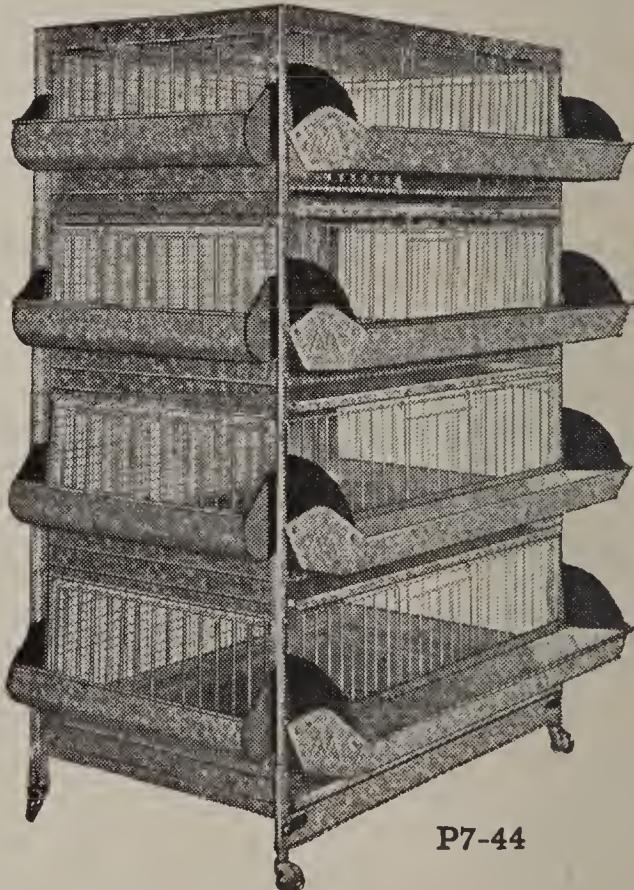
P7-7638

## Intermediate or Starting Battery

Same size as P7-76 and same details except has floor-mesh  $\frac{1}{2} \times \frac{3}{4}$  inch and outside feeders adjustable upward, for birds over three weeks old. Used for second stage in battery broiler plants. Some prefer it for a Starter; it can be had with the Contact Heaters and  $\frac{1}{2}$ -inch floors.

**P7-75.** Intermediate Battery \$52.

Produce Tenderized Broilers or Premium Eggs right in town from MaKomb Broiler Plants and Hen Cages. Write for big folder.



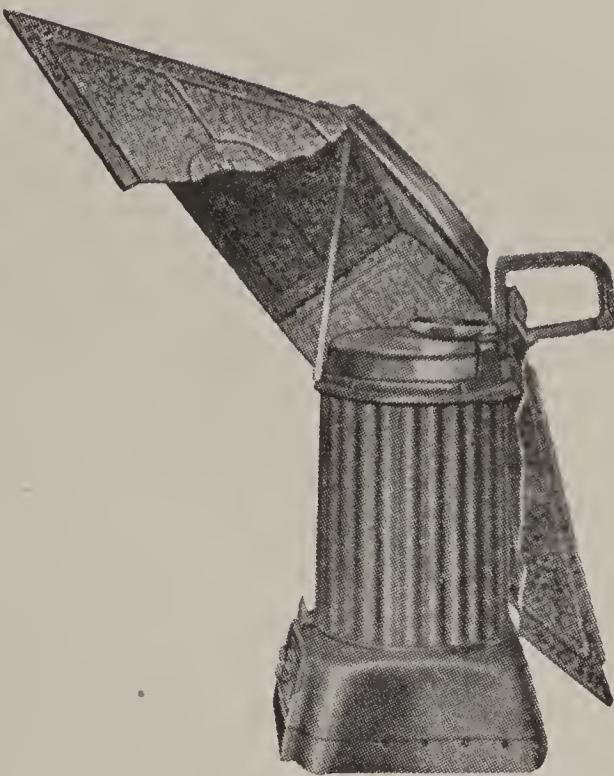
P7-44

## MaKomb Hen Cages

In 36, 48, 72, 84, or 96-hen capacity. Have famous Magic Belts of heavy rubber; give most capacity to any building. Heavy construction; few bolts; easy assembly; every desirable and many exclusive features.

Write for complete folder on Magic Belt Cages and Finishing-Developing Batteries.

# Poultry Supplies



## Improved MaKomb Split Canopy Brooders

Our claim for this Brooder is that it will equal in performance, and does equal in construction, any Brooder of similar barrel design and size. Barrels are fluted to insure greater radiation and consequent fuel economy. The lower or draft damper is larger than most, so no auxiliary, fixed air-inlets are needed. Its extra-large coal-lid is hinged to swing back against the pipe. Canopy is split and mounted on a heavy hinged cast-iron ring. Canopy edges are reinforced with heavy steel angles. Automatic control is secured by two powerful 3-inch double wafers installed in conventional manner. Exclusive damper action makes the MaKomb remarkably dependable in operation. The check consists of two dampers cast together, operating as a unit. When the control brings the check into operation, the inner check-damper rises to the flue opening and obstructs the draft while the outer damper opens to admit a checking flow of air above the fire and directly into the flue. A positive checking action surpassed only by the By-Pass control.

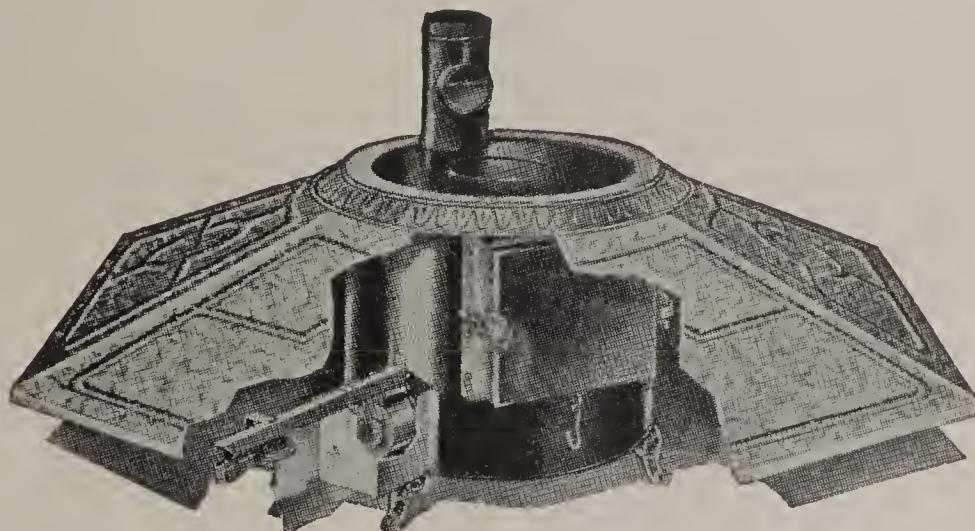
No.	Canopy size	Chick capacity	Coal capacity	Price
B7-656	56 inches	500	40 lbs. ....	\$18 15
B7-765	65 inches	700	66 lbs. ....	21 45

## MaKomb Giant Brooders

The MaKomb Giant Brooders have barrels largest at the bottom, big ash-pits and bases, and big coaling-doors. Coal Brooders are essentially slow-burning stoves; the Giant barrel being the largest at the base, the coal will always press surely, evenly on the fire-bed and not stick, pocket, or bridge over. Even burning and ability to hold a low, very low fire on warm days makes Giant enthusiasts.

The tilting canopy offers full, convenient access to the space around the stove, and it is one-piece. The Giant exclusive baffle plate makes soot-removal easy and aids when starting the fire.

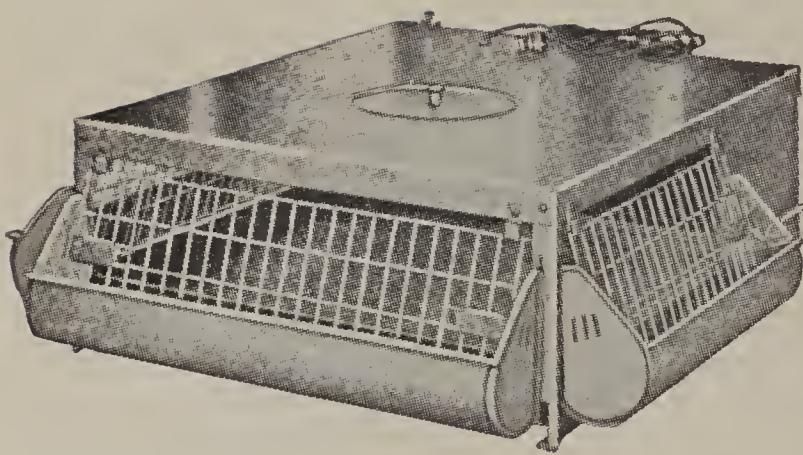
No.	Canopy size	Chick capacity	Coal capacity	Price
B6-1256	56 inches	600	52 lbs. ....	\$21 35
B5-1356	56 inches	700	77 lbs. ....	26 65
B5-1365	63 inches	800	77 lbs. ....	27 70



## Improved Wood-O-Stat Wood-Burning Brooder

Burns ordinary cordwood and holds close temperature 12 to 18 hours on a filling. Has cast-iron door-frame with air-tight ground-face and full hinged door (of 16-gauge steel) held by spring tension. An automatic draft-damper is furnished. Supplied only with 60-inch hexagonal tilting canopy. Has every feature and is the best-looking, most sensibly designed wood-burning Brooder. \$19.80.

# Poultry Supplies



## The New Silver Hen

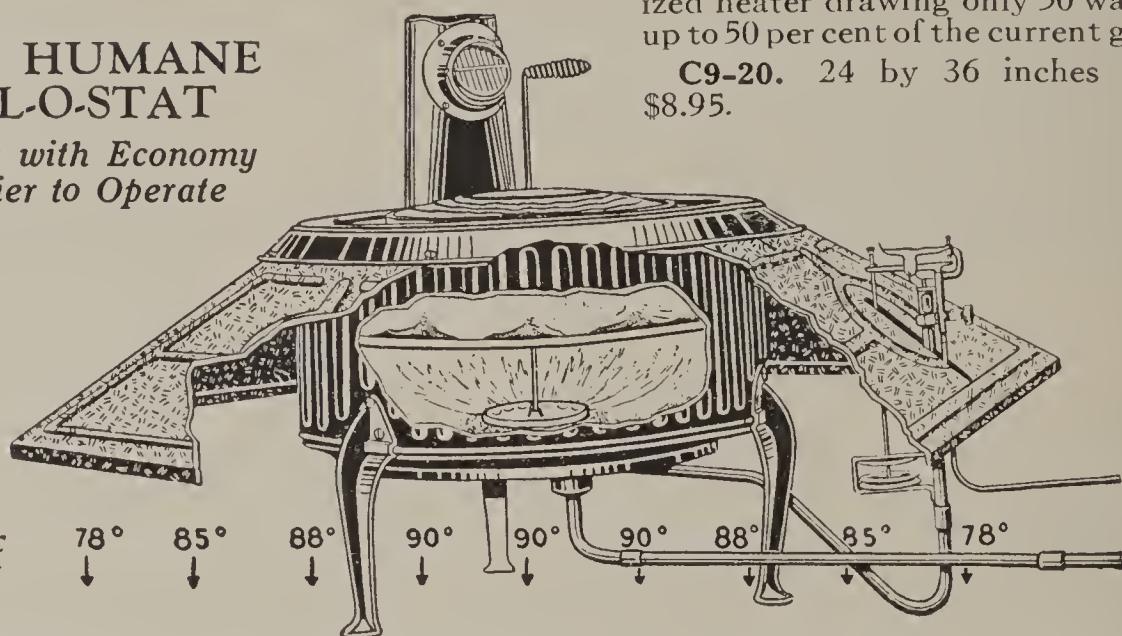
Raises chicks up to six weeks under sanitary conditions with minimum mortality and labor. Ideal for the fancier or suburbanite.

Built of galvanized steel. Feeders are oversize, to retard wasting. The grids have newest, clever, adjusting device and may be lifted clear off or locked shut (with feeders removed). All corners easily reached through the large top opening. The floor is removable,  $\frac{1}{2}$ -inch mesh, strongly braced with rods. Slips into channels formed in the sides. The heavy dropping-pan projects beyond floor; slides out to clean. A flannel curtain creates brooding section in rear. Has a Natureized heater drawing only 50 watts that saves up to 50 per cent of the current generally used.

**C9-20.** 24 by 36 inches contact heat.  
\$8.95.

## THE HUMANE OIL-O-STAT

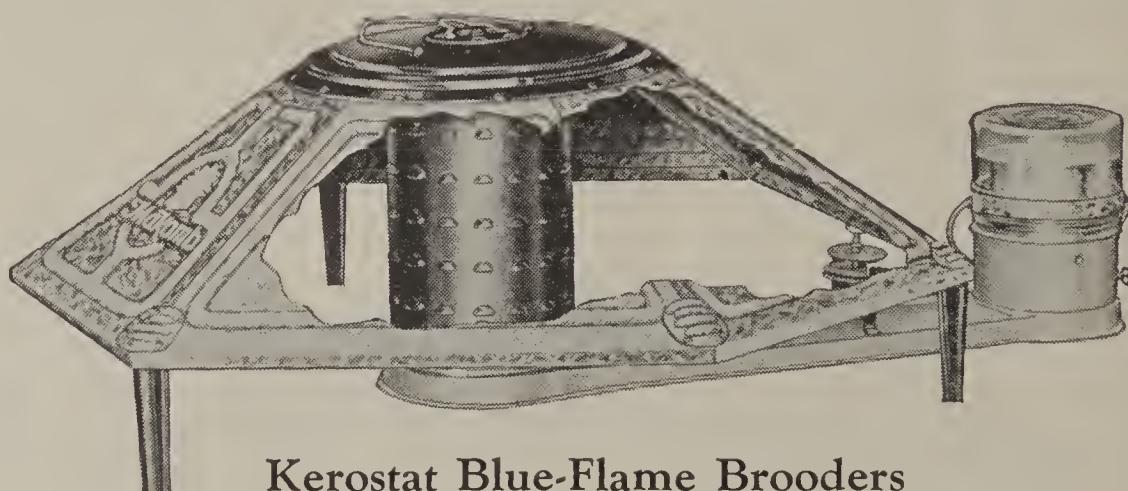
*Safety with Economy  
Easier to Operate*



What a  
Wealth of  
Features

Easy-clean attachment; base heat deflector; die-cast valve with shield; full 24-inch diameter drum; cast-iron legs; quick accessibility to burner; safety valve overflow; tilting canopy on heavy steel ring; heat-conserving baffles; quickly removable inner drum. Comes complete with 72-inch copper tubing and all fittings illustrated. You need only smoke-pipe to install, and can have the oil-tank inside or out. Average fuel consumption less than 2 gallons of distillate (fuel oil) or kerosene in twenty-four hours. Extremely easy to assemble—just bolt on the legs.

No.	Canopy size	Chick capacity	Price
A6-1956	56 inches	600 chicks.....	\$20 50
A6-1965	65 inches	1000 chicks.....	21 50

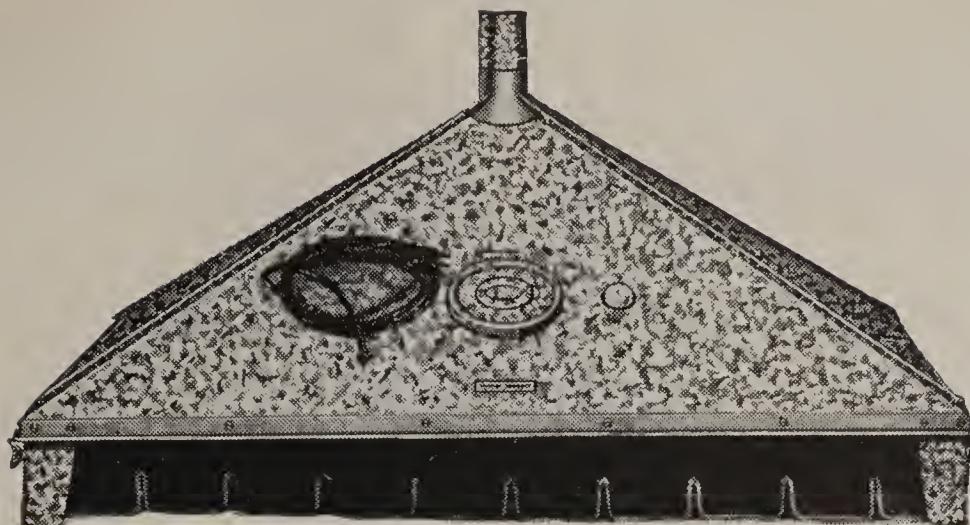


## Kerostat Blue-Flame Brooders

The automatic control carries perfected details that insure trouble-free action. There are no levers; the wafer bears directly on the metering-type valve-stem. Each stem carefully matched, fitted with a sleeve to exclude dust and dirt. One big brass screw with knurled head and lithographed metal dial for all temperature adjustments. Cannot entirely cut off the oil-flow period. The flame can be put out only by closing the shut-off. This improved control is extremely simple, easy to adjust, perfectly guarded against dust and dirt, cannot cause oil to overflow the burner. Two burner sizes, the 4-inch for the 35-inch canopy; a giant  $5\frac{3}{8}$ -inch for the 45 and 55-inch. The Giant is the most powerful yet used; will produce up to 25 per cent more heat because perfectly balanced in height to diameter. Uses a wire-woven asbestos lighting ring (2 furnished).

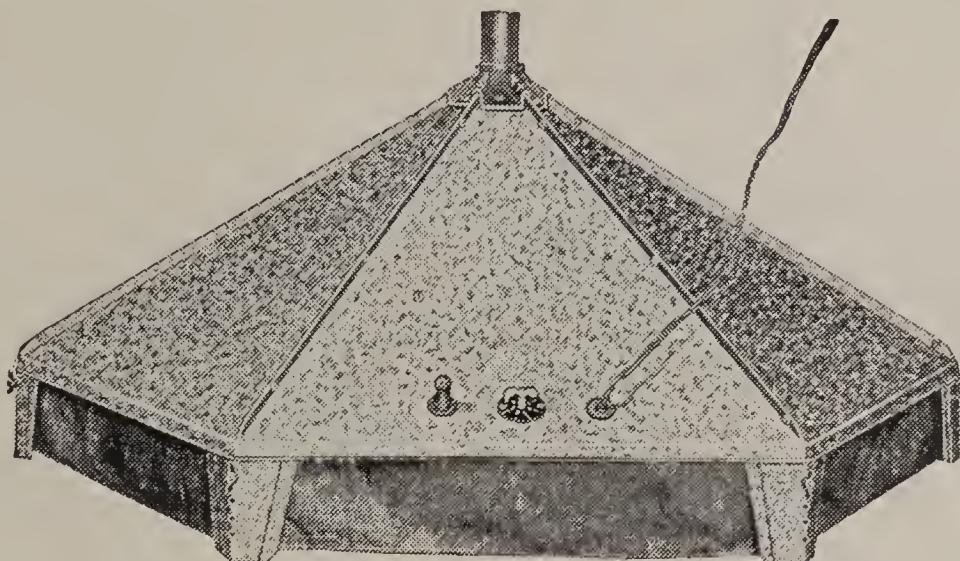
No.	Canopy size	Chick capacity	Price
A8-1135	35 inches	200 chicks.....	\$10 25
A8-2245	45 inches	300 chicks.....	11 30
A8-2255	55 inches	500 chicks.....	12 75

# Poultry Supplies



## The Elect-O-Stat

One of the greatest advantages electric brooding can offer is an even heating of the floor-area covered. For years Elect-O-Stat design has been superior in this respect. Tests have proved that good distribution can only be secured by large elements that diffuse the heat over a wide area. It is insulated from edge to edge, both inside and out, with a Masonite insulation that has a special hard surface that the chicks cannot tear, plus a fine two-coat finish of gleaming aluminum. The Elect-O-Stat keeps the litter dry under the canopy because the insulation prevents condensation on them, and the ventilator can move any volume of air needed to carry out moisture. Operates on either 110 or 220-volt AC. 52 inches square. Actual capacity, 400 chicks. \$26.90. 60 inches square. Actual capacity, 600 chicks. \$32.40.



## Junior Elect-O-Stat

An ideal Brooder for the smaller flock. Lacks some features of the Elect-O-Stat, but includes everything essential.

Though priced low, these are *not* of cheap, flimsy construction. The rigid hexagonal canopy is steep to prevent roosting. Its fully enclosed, non-glowing, round element draws 500 watts, providing ample heat for cold weather. The inner top is of thick insulated board *entirely* faced with galvanized steel. Our fully enclosed snap-action switch insures close temperature control. The adjustable ventilating tube is 27 inches long and more than adequate. Has adjustable legs, removable flannel curtain, pilot light, and thermometer.

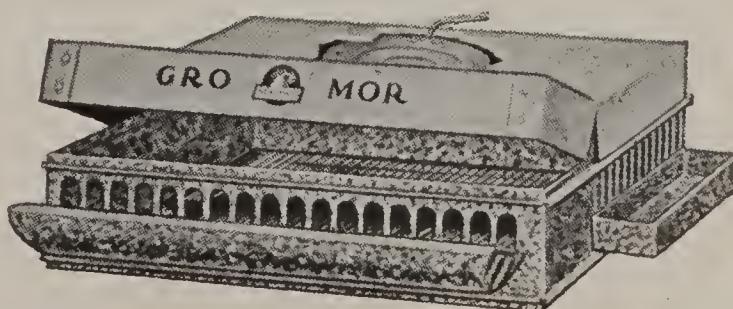
The 47-inch size covers 1440 square inches, and the 57-inch size, 2100 square inches. (Dimensions are from corner to corner.) Capacities are actual.

No.	Canopy size	Capacity	Weight	Price
C7-747	47 inches	200 chicks	36 lbs. ....	\$14 85
C7-757	57 inches	300 chicks	42 lbs. ....	15 90

## The Gro-Mor Brooder

A low-priced unit big enough to be practical. Has 576 square inches floor-space. The C7-624 has a 40-watt enclosed element. C7-634 has the usual cord, plug, and bulb-socket.

C7-624	Holds 75 chicks .....	\$3 94
C7-634	Holds 75 chicks .....	3 45



# Poultry Supplies

## Chick Feeder



A value leader. The trough of heavy prime galvanized is die-formed, for feed or water. Superior tumble guard of exclusive design, enameled red. Trough 3½ inches wide and 1½ inches deep.

Each

H6-310. 10 in. long.....	\$0 12
H6-320. 20 in. long.....	25



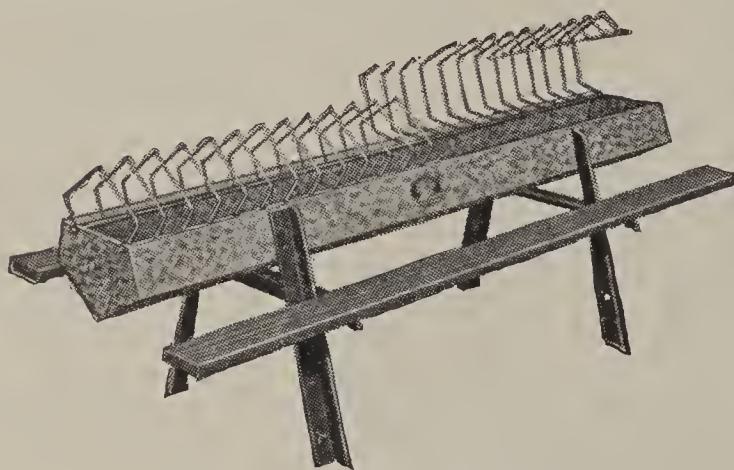
## One-Piece Feeder

Width, 3¾ inches; depth, 2 inches; non-wasting flanged edge is ½ inch wide. The tumble-bar has two positions.

Very close to perfection. Die-drawn and folded into a water-tight Feeder. Ends are tightly closed. Has almost vertical walls.

Each

H6-324. 24 in. long.....	\$0 35
H6-336. 36 in. long.....	50

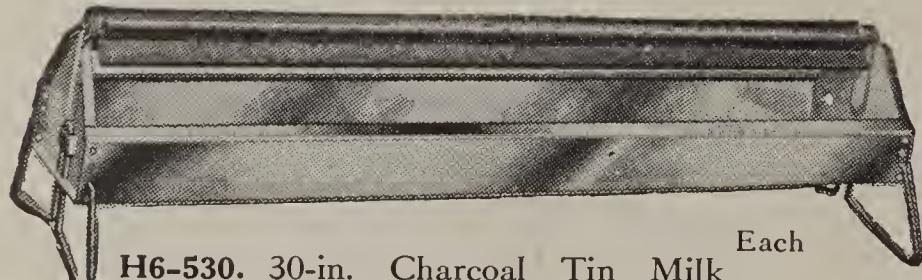


## Long Boy Feeder

The Long Boy trough is 10¼ inches wide and 5¼ inches deep. It has a "V" center so that mash will be eaten down to the last bill-full and we build it of heavy (26-gauge) galvanized steel with welded ends. The heavy wire grid-guard is of special design which discourages roosting.

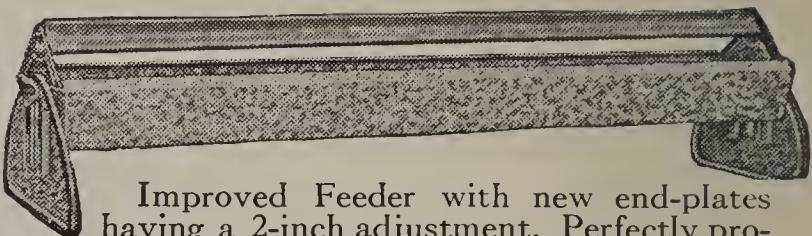
Its perches are comfortably wide (3½ inches) and are of 1-inch clear fir. The stand members are heavy angles and the assembly will easily support a load of 400 pounds. The perch is 16 inches off the floor. Total height, 26 inches; total width, 24 inches.

H6-105. 5 ft. long.....	\$4 35
H6-108. 8 ft. long.....	5 95



H6-530. 30-in. Charcoal Tin Milk Feeder.....	Each \$1 05
H6-536. 36-in. Galvanized Feeder....	75
H6-548. 48-in. Galvanized Feeder....	90

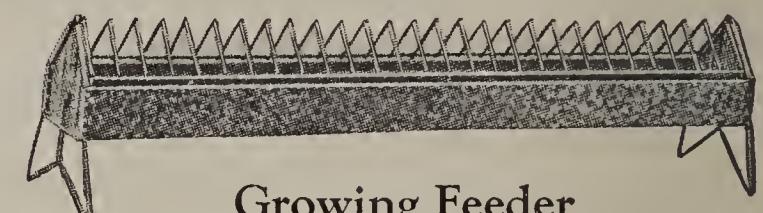
## Chick Feeder



Improved Feeder with new end-plates having a 2-inch adjustment. Perfectly proportioned to keep feed in, chicks and litter out. Trough 3¾ inches wide, 2 inches deep, with adjustable metal reel.

Each

H6-424. 24 in. long, adjustable ends.....	\$0 50
H6-436. 36 in. long, adjustable ends.....	65



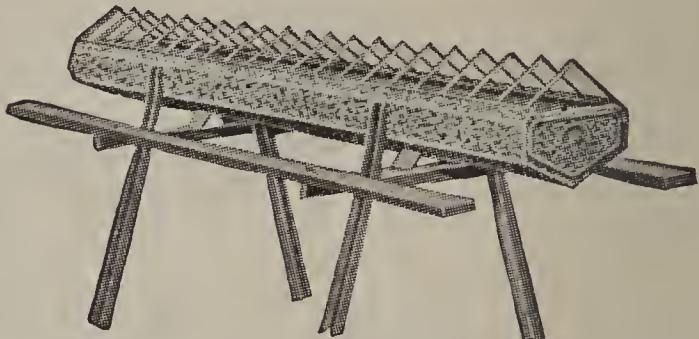
## Growing Feeder

The latest in Broiler or Turkey Feeders. Turkeys don't like reel guards, so this has a welded wire grid with non-roosting edge (Pat. App.) of extra-heavy (26 ga.) prime galvanized, with die-formed welded ends and big trough 6 inches wide by 3¼ inches deep. The folded and wide-flanged edge is turned downward for less feed-waste. The heavy wire legs adjust quickly and securely without wing nuts (Patented) to a floor clearance of 4½ inches.

Each

H6-2030. 30-in., holds nearly 9 qts.....	\$0 90
H6-2048. 48-in., holds nearly 14 qts.....	1 75
H6-2058. 48-in., with reel.....	1 75

## Flock Feeders



There will always be a demand for a good-looking, good-capacity Flock Feeder at lowest prices. This we offer in the Flock Feeder shown above. It is similar to the Long Boy Feeder shown opposite, but of lighter construction, yet sturdily built of heavy-gauge steel channels and angles. Troughs are 9 inches wide and 4¾ inches deep. It is 26-gauge galvanized iron.

Each

H7-94. 4-ft. Feeder.....	\$2 85
H7-95. 5-ft. Feeder.....	3 30
H7-98. 8-ft. Feeder.....	4 95

## All-Age Chick Feeders

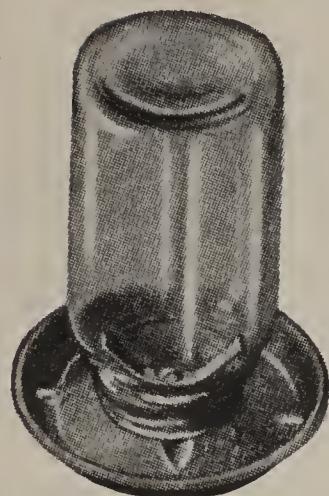
Many call these the best, most ingenious style of adjustable legs (Pat. App. For). They adjust easily to four positions; have no thumb-nuts or tight-fitting slides, and may be quickly removed. The red-enamored, 4-vane reel has two positions, rolls on brass pins. Chick Feeder sizes: these are 4¾ by 2¼ inches, with wide flanged edges; larger than many.

# Poultry Supplies

## Syfon Jar Fount

Most convenient of them all. Snaps off or on easier and quicker than telling. A tempered brass leaf spring, held by a brass bolt, is die-formed to operate smoothly, yet hold the jar securely. Cannot rust to the jar, has no hidden, hard-to-clean crevices. Works on jars with or without threads. Only MaKomb has it.

Attachment only, 10 cts.



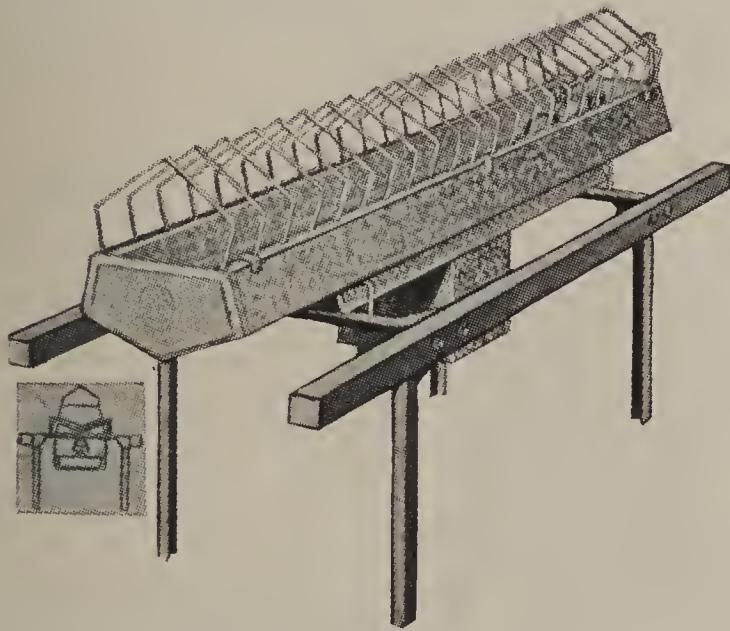
## Large Capacity Chick Cone Fountain

This Fountain provides a drinking-space of almost 4 feet and has ample capacity for a large colony of chicks. It is made with heavy, durable, one-piece pan.

No. 248. 3-gal. capacity, \$1.25.



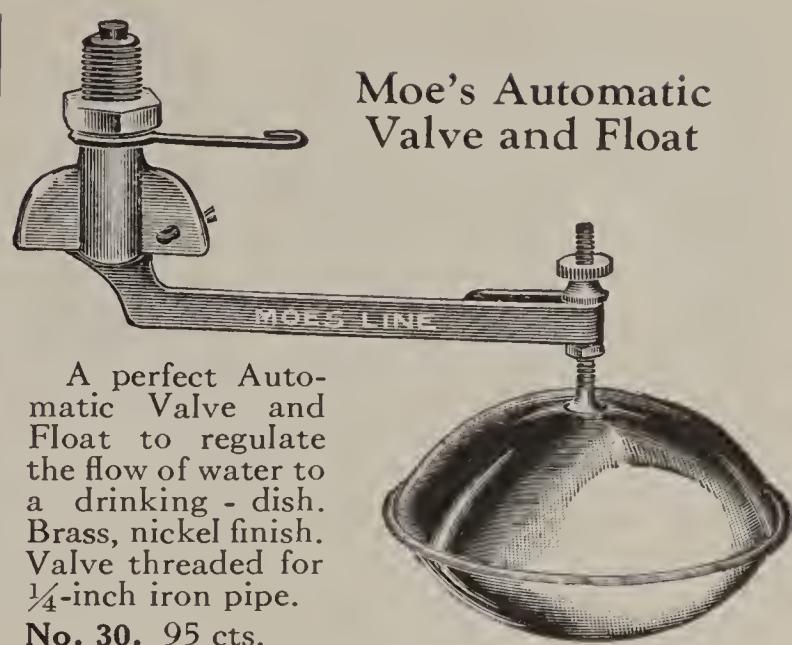
## Long Boy Fountain



Too often it is not realized that Fountains of this type have but small water capacity, even if 4 feet long. They water a lot of hens at one time but need frequent refilling and too often run dry. That is why we advise the use of our regular full-size Long Boy Feeder, with the trough soldered, water-tight. It can be filled only three-quarters full, to avoid slopping water on the floor, yet holds an ample supply (10 gallons). The loose trough is well elevated above the 2 by 2 perches, and has a big 1-inch brass overflow pipe through a large rubber drain-plug. The pipe is shoved up or down to control water depth if used with running water and our float-control. The oil heater consists of a steel housing with a large lamp equipped with a powerful No. 2 Phoenix burner. A heat-saving manifold extends along under the trough to carry the heat well out toward the ends.

H8-100. Long Boy Lamp-heated Fount, \$7.85.  
M7-21. Float-control (optional extra), \$1.

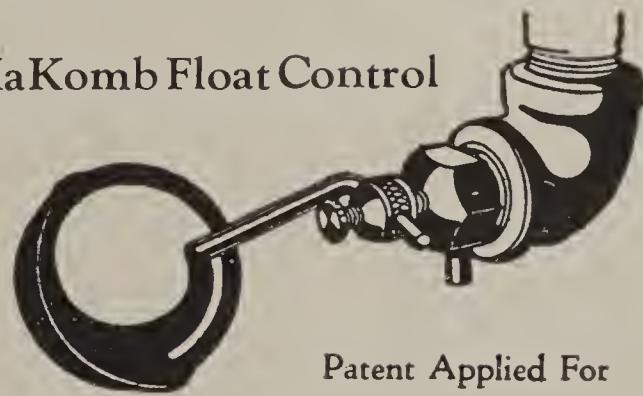
## Moe's Automatic Valve and Float



A perfect Automatic Valve and Float to regulate the flow of water to a drinking-dish. Brass, nickel finish. Valve threaded for  $\frac{1}{4}$ -inch iron pipe.

No. 30. 95 cts.

## MaKomb Float Control



Patent Applied For

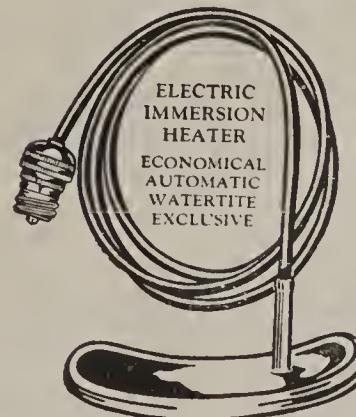
Simple in construction; positive in operation. Rugged; built of the best materials. Solid brass and copper throughout. No springs. Standard size for  $\frac{3}{8}$ -inch pipe. \$1.

## Sanitary Earthenware Fountain

This Fount is made in two parts—saucer and Fount. Made of stoneware and just the thing where medicine is used in the water. Constructed with large hole so that sour milk can be used in it. 1-qt. 50 cts.; 2-qt. 60 cts.; 4-qt. 80 cts.



## Electric Immersion Heater



This is 100 per cent efficient because it puts all the heat right into the water and controls the actual water temperature, something only an Immersion Heater can do. It alone fits the troughs of round fountains as well as open vessels. There are no adjustments; you simply hook it up and a great little snap-action switch holds the water at 50 degrees automatically. Can be fully immersed in large, open vessels without injury. \$3.

# Poultry Supplies

## MaKomb Float-Type Founts

Large - capacity, float - controlled, using no rubber pads, needing no adjustments, and is double acting. When the Fount is lifted off the pan, a ball-check prevents the loss of water. All working parts are heavy brass.



**G6-104.** 5-gal. Fount only, \$2.50.  
**G6-118.** 8-gal. Fount only, \$3.45.  
**G6-65.** 5-gal. Fount, Lamp-heated, \$4.40.  
**G6-78.** 8-gal. Fount, Lamp-heated, \$5.35.  
 Stands for above, \$1.75.

## MaKomb Vacuum-Controlled Founts



**G6-208.** 8-gal. Fount only, \$3.45.  
 Stands for above, \$1.75.

The vacuum controls the level of the water in the all-round drinking-trough to the proper depth. A simple valve of spring brass and rubber closes when the water is drawn off and prevents flow of water while refilling.

Furnished with or without Stand.  
**G6-196.** 5-gal. Fount, with Lamp heater, \$4.65.  
**G6-209.** 8-gal. Fount, with Lamp heater, \$5.35.  
**G6-194.** 5-gal. Fount only, \$2.75.

## MaKomb Float Chick Fountain

A sanitary, easy-to-clean Fountain that provides for baby chicks a dependable supply of fresh water. To fill, simply lift off the cone top. It uses a double-acting float-valve control that maintains the proper depth in the drinking-pan and automatically shuts off the flow when the pail is lifted.

**G7-1.** Capacity, 3 gals. \$1.85.



## Round Chick Feeders



Used for water and all kinds of chick-feed, milk, or medicine. Lid fits snugly but is easily removed for cleaning and filling.

**T8.** Tin, 8 Holes. 15 cts. each.  
**T12.** Tin, 12 Holes. 20 cts.

## 10-Cup Fount

A perfectly proportioned Chick Fount, and 25 per cent larger than most. The pan has ten cups, and snaps easily and securely over the rolled lower edge of the container. Used for chicks from 1 day to 10 weeks old. The cone top and wire handle discourage roosting. Easy to use and keep sanitary.

**G6-15.** Holds 5 qts., only 60 cts.



## Top-Fill Fount



Time-saver for chicks 1 day to 12 weeks old. Cone top non-roosting. Outer can pulls off to fill, then spring valve closes flow. An exclusive lock that engages or releases more securely and easily holds the outer can, for carrying. Outer can has ample clearance; don't bind after use. All edges carry full strengthening roll. The smooth, round drinking-trough is just wide enough for real utility. The stand is optional.

**G6-22.** 8-qt. Fount only.....\$1 50  
**G6-23.** 12-qt. Fount only..... 1 80  
**G6-21.** Stand for above..... 20

## "Snap-On" Top-Fill Chick Fount



Popular because definitely superior, larger, and a plus value in galvanized steel. A deep draw in the pan fits snugly over the rolled edge in the can, yet snaps easily off or on because carefully gauged to match. Also eliminates spilling when properly inverted after filling. The domed top has a flat spot to rest on when filling. Pan is smooth, perfectly formed, with rolled edge. This Fount is most sanitary because very easily kept clean. 5-qt. capacity.

**G6-20.** Fount only..... \$0 65  
**G6-16.** Stand extra..... 16

## Mason Jar Founts

Constructed so that plenty of water is always in the pan, yet it will not overflow. Screw cap electrically welded to pan. Fits any standard Mason jar.

**No. T25.** Charcoal Tin Fountain, 10 cts.  
**No. G25.** Galvanized Fountain, 10 cts.



# Poultry Supplies

## Bandettes for Pigeons and Bantams



Bandettes are easily applied. Simply open out Band, hook it on the leg, allow it to close. All are treated by a special process which protects them from being worn off.

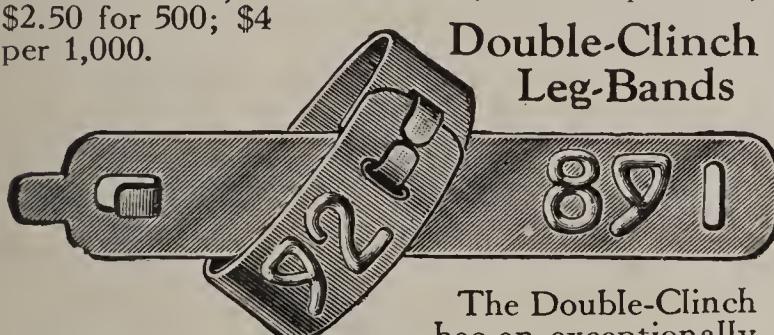
We stock one color only, Red

**No. 5.** For Homers, Jacobins, Barbs, Owls. 35 cts. per doz.; 60 cts. for 25; 85 cts. for 50; \$1.50 per 100.  
**No. 6.** For Show Homers, Kings, Carneaux. 35 cts. per doz.; 60 cts. for 25; 85 cts. for 50; \$1.50 per 100.  
**No. 7.** For Runts and Bantams. 35 cts. per doz.; 60 cts. for 25; \$1 for 50; \$1.75 per 100.

## Spiralet Celluloid Leg-Bands



These bands are light as a feather and are easily and quickly put on and taken off. Cannot be lost or removed by the birds. Furnished in Red, White, Light Blue, Dark Blue, Pink, Garnet, and Green. Three sizes, Asiatic, American, and Mediterranean breeds. When ordering, specify breed and color wanted. 15 cts. per doz.; 25 cts. for 25; 40 cts. for 50; 75 cts. per 100; \$2.50 for 500; \$4 per 1,000.



## Double-Clinch Leg-Bands

The Double-Cinch has an exceptionally strong fastening. State what breed or fowl they are wanted for and whether male or female. 15 cts. per doz.; 25 cts. for 25; 50 cts. for 50; 75 cts. per 100; \$3 for 500; \$5.50 per 1,000.

## Colored Leader

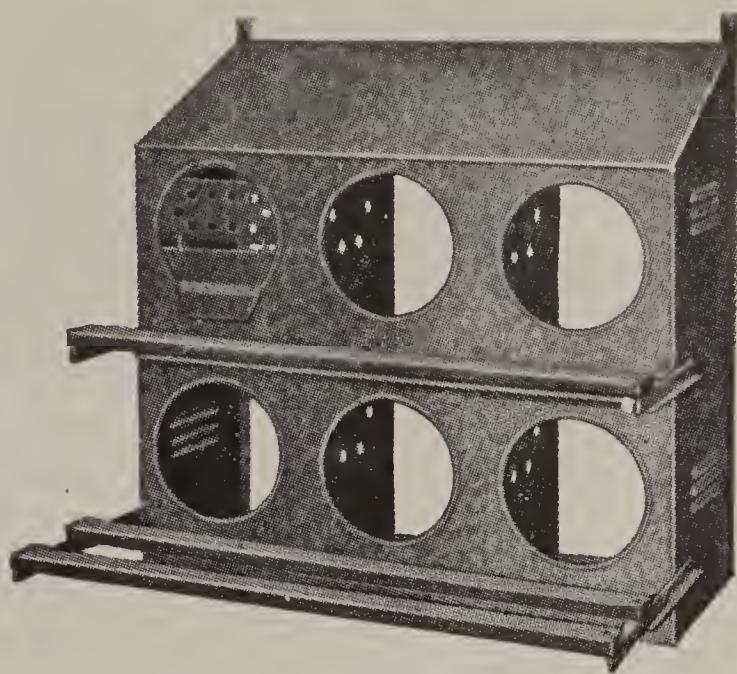


## Adjustable Leg-Bands

The celluloid strip is protected all the way around the outer edge by aluminum. The colored strip shows the number plainly. White, Pink, Red, Green, Blue, and Yellow. 35 cts. per doz.; 60 cts. for 25; 85 cts. for 50; \$1.50 per 100; \$6 for 500; \$10.50 per 1,000.

## Flex-O-Glass

Flex-O-Glass means ultra-violet rays, and that means more eggs and profits. Invigorates the hens and keeps them laying all winter. Under Flex-O-Glass your hens will scratch, sing, and lay. A few yards will help save your chicks, prevent leg-weakness, crooked breast-bones, and other diseases. It is 36 inches wide and comes in rolls of 25 and 50 yards. 25 cts. per square yard.



## MaKomb Laying Nests

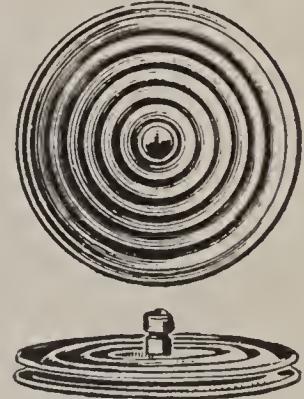
Practical flock-owners want and demand Laying Nests that are clean, simple, and of sturdy construction at a low price. The MaKomb meets all these qualifications perfectly. They are built of heavy galvanized steel throughout with steep-pitched roof, wall-hanging brackets, substantial hinged perches, and rolled-edge doors. They are of ample size— $11\frac{3}{4}$  inches wide, 14 inches high, 13 inches deep. You will find no sagging as the floors are supported by three full-length tie-rods. They are made backless for easy cleaning. Ventilators are provided at both ends and between compartments.

<b>J5-1.</b>	6-section Laying Nest .....	\$4 95
<b>J5-2.</b>	10-section Laying Nest .....	7 15
<b>J5-4.</b>	15-section Laying Nest .....	10 25

## Thermostat Wafers

These Wafer Thermostats are made of two concave discs sealed together at the outer edges and filled with a volatile liquid which is very sensitive to changes of temperature. This liquid remains fluid until  $90^{\circ}$ , when it expands and spreads apart the two sides of the discs. One side of the disc is fastened to a fixed support and the other connected with the regulating device. We can furnish these in 3-inch size with plain stud, screw stud, or internal thread stud; 4-inch in screw stud, and 5-inch to fit old pattern Newtown Brooder.

	Each	3	6	12
3-in.....	\$0 30	\$0 80	\$1 45	\$2 70
4-in.....	40	1 10	1 95	3 60
5-in.....	85	2 30	4 25	8 00

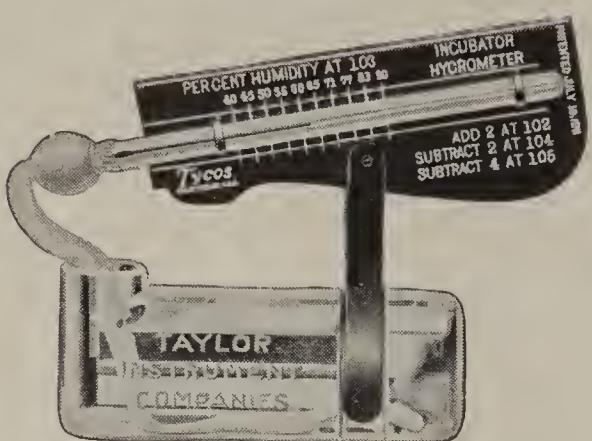


## Fyler's Red Mite Destroyer

A wonderful and effective spray that stops this blood-sucking pest. Apply Fyler's Red Mite Destroyer and eliminate unnecessary losses. 1-qt. can 60 cts.; 2 qts. 90 cts.; 4 qts. \$1.50.

# Miscellaneous Parts for Incubators and Brooders

## Tycos Incubator Hygrometer



The Tycos Incubator Hygrometer is not a regulator of moisture, but is an indicator of conditions, so that if not correct they may be made so. Illustration shows the correct position of the instrument in use, taking the place of one egg in the egg-tray, thus showing the conditions surrounding the eggs. The amount of moisture required during the period of incubation varies from 65 per cent to 53 per cent. The first week there should be about 65 per cent of moisture, the second week about 60 per cent, and the last week about 53 per cent. The amount of moisture may be easily regulated by adding or taking away shallow pans of water, sprinkling the eggs, and by increasing or decreasing the ventilation. \$1.75.

## High-Grade Thermometers

Tycos Cyphers Pattern Incubator	....	\$0 75
Tycos Cyphers Pattern Incubator, Certified	....	1 25
Buckeye Incubator Thermometer	....	75
Newtown Brooder Thermometer	....	60
Newtown Incubator Thermometer	....	75
American Incubator Thermometer, on stand	....	50

## Burners for Incubators and Brooders

No. 201. Zenith No-Chimney Burner.		
1-in. wick	....	\$0 70
No. 202. Sun Hinge. 1-in. wick	....	50
No. 203. Sun Hinge. 1½-in. wick	....	60
No. 212. Sun Hinge. Wide Cone. 1-in. wick	....	60
No. 214. Sun Hinge, 2-wick Tubes. 1½-in. wick	....	75

## Moe's Lamp Bowls

	Each	3 for
No. 101. Capacity 1 qt	....	\$0 50
No. 102. Capacity 2 qts	....	60

## Metal Chimneys

For incubators and brooders. Made of sheet steel with round mica windows. The mica can be easily replaced if broken. No. 103, height 6 in., fits Nos. 202 and 212 Burners. No. 104, height 6 in., fits Nos. 203 and 214 Burners.

Each	3 for	6 for	
No. 103	\$0 25	\$0 65	\$1 20
No. 104	25	65	1 20



## MaKomb Draft Adjuster

Automatically compensates for changing winds. No matter how the wind may blow outside the brooder house, the draft of air into the brooder stove remains constant and unchanged. The Draft Adjuster equalizes the pull, taking the air out of the room instead of through the brooder. No danger of a fire in a stove being raced by a strong outside wind.

Each	\$0 60
M6-54. 4-in.	.....
M6-55. 5-in.	.....

## Thermostat Connecting Rods

	Each
Newtown Brooder	.....
Cyphers Incubator	.....
Cyphers Brooder	.....
Buckeye Incubator (give number of Incubator)	.....
Buckeye Incubator Lamp Bowls. (Give number of Incubator.)	\$1.

## Brooder Stove-Pipe

Ohio Lock, No. 28 Gauge, Galvanized Steel Pipe, made in 2-foot lengths.	
3-in.	.....
4-in.	.....
5-in.	.....

## MaKomb Adjustable Roof Saddle

Consists of two die-drawn spheres locked in any desired position by 2 set screws. Adjusts easily to any pitch of roof and takes pipe without cutting or fitting. You simply slip the pipe through the saddle and screw the clamping band down to exclude water. Die drawn of 26-gauge galvanized steel with no seams to rust out. Comes with cap and 12-inch pipe.

Each	
M4-24. 4-in.	.... \$1 60
M4-25. 5-in.	.... 1 60



## Pipe-Caps

Made of galvanized steel, to slip on top of regular pipe. Keeps out rain and snow and improves the draft. Easy to install.

M6-27. Pipe-Cap for 4-in. Pipe	....	\$0 25
M6-28. Pipe-Cap for 5-in. Pipe	....	25

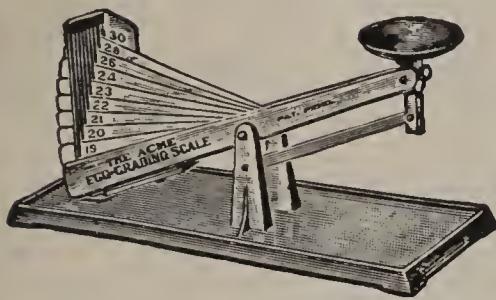


## Miscellaneous Pipe Fittings

Pipe Dampers.	4-in., 15 cts.; 5-in., 20 cts.
Galvanized Elbows.	3-in., 20 cts.; 4-in., 25 cts.; 5-in., 30 cts.
Pipe Collars.	4- and 5-in., 15 cts.

# Poultry Supplies

## The Acme Egg Scales



The Acme Egg-grading Scales are aluminum which makes them rustproof and practically indestructible. Accurately made and carefully tested, they will meet the requirements of any state bureau of weights and measures.

**No. 3.** Adapted to Atlantic Coast States. \$2.50.  
Grades 19, 20, 21, 22, 23, 24, 26, 28, and 30 ozs.

## Gradencandler

Grades and candles eggs at one time. Eggs handled only once. Lights automatically only when candling, saving eye-glare and current. Accurate double scale giving weight in ounces per egg and ounces per dozen eggs. Ranges from  $1\frac{1}{2}$  to  $2\frac{1}{2}$  ounces per egg and 18 to 30 ounces per dozen. Simple, accurate, fool-proof, and cannot get out of order. Positive adjustment provided. A standard weight furnished to check accuracy of scale at any time. You know it is always accurate. \$5.50.



## French Poultry Killing Knife

Made of finely tempered instrument steel with nickel handles and will last a lifetime. Whether you have half a dozen or several hundred fowls to kill and dress for market, one of these Knives will prove a satisfactory investment. 60 cts.



## Pin-Feather Knife

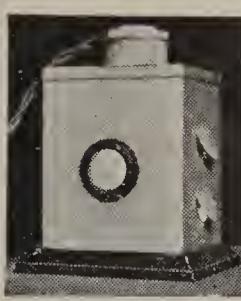
For removing pin-feathers. Flat on one side, with bevel edge. Not sharp. Blade length, 1 in. 50 cts.

## Cornell Caponizing Set



Experiments in the use of various caponizing instruments carried on by the Department of Poultry Husbandry at Cornell University resulted in the manufacture of the Cornell Caponizing Set. The Set consists of 2 Testicle Removers, Pilling-Farmer, Twisting-Scoop, and Pilling-Miles Remover. Complete in case, \$6.60.

## Reliable Electric Egg Candler



This Egg Candler is quick in action. It shows every defect in the egg at a glance. It is used by produce houses, farmers and anyone who wishes to candle eggs. It is simple and quick in candling. Can be attached to any light socket. The powerful rays from light penetrate through the entire egg.

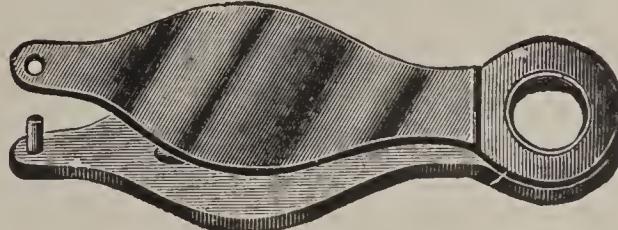
**No. 700.** Complete candler including cord and socket for 110 voltage, \$1.30; extra bulb, 40 cts.



## Dexter Sticking Knife

Blade 2 in. long, with rubberoid handle. Total length,  $6\frac{1}{2}$  in. 50 cts.

## Poultry Markers



## Moe's Standard Punch

A popular and practical Punch for marking baby chicks. Punches a clean hole and will not bruise the foot. Guaranteed to work perfectly. Nickel finish, 15 cts.



## Moe's Ideal Punch

A new, improved Punch of the scissors type. Works easily, cuts cleanly, and does not pinch the foot. Length  $3\frac{1}{2}$  in. 35 cts.

## Egg Cartons

We stock two qualities in the 4 x 3 and one in the 6 x 2.

**4 x 3 Navajo Grade.** 35 cts. for 25; \$1 per 100; \$2.25 for 250; \$8 per 1,000.

**4 x 3 Chip Stock.** \$1.75 for 250; \$6.25 per 1,000.

**6 x 2 White Manila.** \$3.25 for 250; \$12 per 1,000.

## Cyclone Egg-Cooling Basket

Has raised bottom support, giving free air-circulation. Holds 12 to 15 dozen eggs. Bright finish with double coating. 85 cts. each.

# Chick Feeds and Remedies

## Pratt's Buttermilk Baby Chick Food

Highly potent in vitamin D, which prevents leg-weakness, insures resistance to diseases, and gives greater health and growth. A scientific ration for the first three weeks. Prices variable—quoted on request.

## Wirthmore Poultry Feeds

We carry a full line of the Wirthmore Poultry Feeds—Chick, Intermediate, Growing, Scratch and Mash feeds—but owing to fluctuations of the market, prefer to quote prices on request.

## Pratt Food Co.'s Remedies

**Poultry Regulator.** 26 ozs. 25 cts.; 4 lbs. 55 cts.; 12 lbs. \$1.60; 25-lb. pail \$2.85.

**R. P. Tablets for Roup.** Pkgs. 25 and 50 cts.

**Chick Tablets for White Diarrhea.** Pkgs. 30 and 60 cts.

**POWDERED LICE KILLER.** Pkgs. 30 and 60 cts.

**Worm Powder.** For flock treatment. 4 ozs. (for 100 hens) 75 cts.; 20 ozs. (for 500 hens) \$2.50; 2½ lbs. (for 1,000 hens) \$4.50.

**N. K. Capsules.** (For worms.) Individual treatment. Adult size (50 tablets) 85 cts.; \$1.50 per 100; \$5.50 for 500; \$10 per 1,000. Chick size, 50 tablets 55 cts.; \$1 per 100; \$3.75 for 500; \$6.50 per 1,000.

**Poultry Inhalent.** For bronchitis and roup. Pt. can 60 cts.; qt. \$1.

**Disinfectant.** Qt. 50 cts.; 2 qts. 85 cts.; gal. \$1.45.

**Pik-No-Mor.** For cannibalism, feather-eating, vent-, back-, and toe-picking. Jars 25 cts., 50 cts., and \$1.25.

**ROOST PAINT** (Nicotine-Sulphate Formula). ½pt. 85 cts.; pt. \$1.50; qt. \$2.25. (½pt. is sufficient for 150 feet of roost.)

## Lederle's Remedies

**Fowl Pox Vaccine** (Chicken Pox, Diphtheria). Protects both chickens and turkeys against these devastating diseases—an inexpensive, uncomplicated method of protecting for life. 100 doses 75 cts.; 500 doses \$3.50.

**Infectious Laryngotracheitis Vaccine** (Infectious Bronchitis). Vaccinate pullets over 6 weeks of age in cases where the disease has existed previously and in all districts where it is prevalent. If unfamiliar with the symptoms, get an accurate diagnosis. 100 doses \$3; 500 doses \$12.50.

**Pullorum Stained Antigen.** All breeders should be tested for Pullorum (B. W. D.) before the hatching season—some flocks two or three times a year, if necessary. 150 tests \$1.25; 500 tests \$2.

## Lederle's Worm Remedies

**Poultry Worm Tablets.** Recommended for the removal of both roundworms and tape-worms in poultry. Supplied in bottles of 100 and 500 tablets. Prices on application.

**Floxide.** For flock treatment. 100 birds 75 cts.; 250 birds \$1.50; 500 birds \$2.50; 1,000 birds \$4.50.

**Nico-Gel Tablets.** For individual treatment of adults or pullets. (Please specify when ordering.) \$1 per 100 tablets; \$1.75 for 250; \$3 for 500; \$5.50 per 1,000.

## Lee's Gizzard Capsules for Worms

The Gizzard Capsules are inexpensive, convenient, and easy to give. Pour a box in your pocket, and, while worming, gently push a capsule well back into each bird's throat. No after physic.

**Adult Sizes.** 50 capsules 75 cts.; 100 capsules \$1.25; 250 capsules \$3; 500 capsules \$5.50; 1,000 capsules \$10.

**Chick Sizes.** 50 capsules 50 cts.; 100 capsules \$1; 250 capsules \$2.50; 500 capsules \$4.50; 1,000 capsules \$8.50.

## Lee's Germozone

Germozone is especially valuable in preventing and controlling diarrhea and digestive disorders of little chicks and grown fowls. 4-oz. bottle 40 cts.; 12-oz. bottle 75 cts.; 32-oz. bottle \$1.50.

## Dr. Hess' and Clark's Remedies

**Panamin.** This is an improved conditioner and mineral supplement for poultry. It acts as an appetizer, laxative, and diuretic, and supplies in abundance mineral matters that may be lacking in the feed. It is particularly beneficial to the moulting hen, the laying hen, and the growing chick. 1½-lb. pkg. 25 cts.; 3 lbs. 45 cts.; 7 lbs. 95 cts.; 15 lbs. \$1.90; 25 lbs. \$2.85; 100 lbs. \$9.40.

**Instant Louse Killer.** 1-lb. pkg. 30 cts.; 2½-lb. pkg. 65 cts.

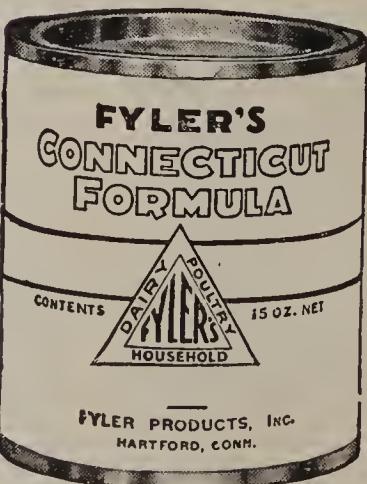
**Chick Tablets.** For treatment of White Diarrhea. A bowel astringent. 45 tablets 25 cts.; 100 tablets 50 cts.; 225 tablets \$1.

**Poultry Tablets.** A local antiseptic to be used in drinking water in the treatment of roup and local swelling of same. 45 tablets 25 cts.; 100 tablets 50 cts.; 225 tablets \$1.

**Worm Powder.** For flock treatment. Enough for 50 birds 50 cts.; 100 birds 90 cts.; 250 birds \$1.90; 500 birds \$3; 1,000 birds \$5.40.

**Worm Tablets.** For individual treatment of adults. 40 tablets 50 cts.; \$1 per 100; \$2 for 250; \$3.50 per 500; \$6.50 per 1,000.

## Fyler's Connecticut Formula



The premier treatment for paralysis and enteritis. This powder is prepared from a formula prescribed and recommended in publications issued by the extension service of the Connecticut Agricultural College, which should be sufficient endorsement for any progressive poultryman. One pound of this powder is enough for 100 mature birds.

15-oz. pkg.....	\$0 75
2 lbs.....	1 50
5 lbs.....	3 00
25 lbs.....	14 50

# SIX *Magnificent* BARRETT ROSES

DORMANT STOCK · EVERBLOOMING HYBRID TEA VARIETIES

Selected Grade, Guaranteed to Bloom

**65¢ each; 6 for \$3.50**



TALISMAN



MRS. PIERRE S. DU PONT



PRES. HERBERT HOOVER



MARGARET McGREDY



ETOILE DE HOLLANDE



MISS ROWENA THOM



DOUBLE YELLOW BEGONIA

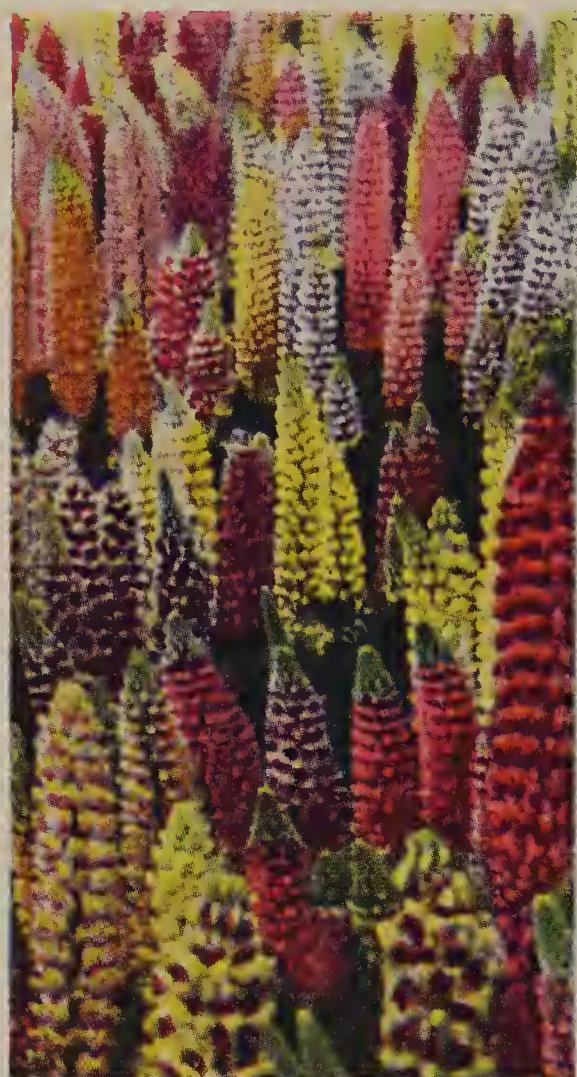
Shade-loving plants with large flowers of  
gorgeous coloring. Extra-large bulbs, 2  
inches in diameter and up, 30 cts. each;

**\$3 per doz.**



DOUBLE CAMELLIA-FLOWERED BEGONIA

# FOUR ANNUALS for YOUR GARDEN



← RUSSELL LUPINS

Reselected Seed

Pkt. 12 Seeds . . . \$0 25  
Pkt. 50 Seeds . . . 65  
Pkt. 120 Seeds . . . 1 25



New Sensational  
**MORNING-GLORY**  
Scarlett O'Hara  
Pkt. 25 cts.



MARIGOLD, HARMONY  
Pkt. 10 cts.



PORTULACA, MIXED  
Pkt. 10 cts.

**THE W. E. BARRETT CO.**

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